Gene No.	72562	Strand	-
Start	6517	End	6944
Name	OJ990408_02.9922.C4.o3.gs	Method	GENSCAN
Start	6517	End	6944
GI	none	Score	.87
Exons	6517..6564, 6816..6944		

Seq. No.	35141	Seq. ID	OJ990408_02.9922.C4
Gene No.	72563	Strand	-
Start	8278	End	11339
Name	OJ990408_02.9922.C4.o4.gs	Method	GENSCAN
Start	8278	End	11339
GI	none	Score	.61
Exons	8278..8539, 11230..11339		

Seq. No.	35141	Seq. ID	OJ990408_02.9922.C4
Gene No.	72564	Strand	-
Start	17574	End	20682
Name	OJ990408_02.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	9402	End	9781
GI	none	Score	204
Exons	9402..9620, 9407..9598, 9408..9617, 9623..9685, 9656..9685, 9685..9750, 9686..9751, 9743..9781		

Seq. No.	35141	Seq. ID	OJ990408_02.9922.C4
Gene No.	72564	Strand	-
Start	17574	End	20682
Name	OJ990408_02.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	9426	End	9733
GI	none	Score	175
Exons	9426..9638, 9431..9637, 9652..9726, 9653..9733		

Seq. No.	35141	Seq. ID	OJ990408_02.9922.C4
Gene No.	72564	Strand	-
Start	17574	End	20682
Name	OJ990408_02.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	10025	End	10324
GI	none	Score	196
Exons	10025..10324		

Seq. No.	35141	Seq. ID	OJ990408_02.9922.C4
Gene No.	72564	Strand	-
Start	17574	End	20682
Name	OJ990408_02.9922.C4.o6.gs	Method	GENSCAN
Start	17574	End	20682
GI	none	Score	.65
Exons	17574..17775, 18213..18384, 18859..18986, 19045..19329, 19388..19536, 19663..19810, 20109..20393, 20504..20682		

Seq. No.	35142	Seq. ID	OJ990408_02.9922.C5
Gene No.	72565	Strand	-
Start	23	End	889
Name	OJ990408_02.9922.C5.o1.gs	Method	GENSCAN
Start	23	End	889
GI	none	Score	.74
Exons	23..169, 280..495, 554..769, 853..889		

BEST AVAILABLE COPY

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72566	Strand	-
Start	101	End	6303
Name	OJ990408_02.9922.C6.o1.gs	Method	GENSCAN
Start	101	End	3236
GI	none	Score	.78
Exons	101..179, 209..317, 496..623, 791..967, 982..1103, 1162..1241, 1393..1429, 1538..1753, 1812..2027, 2327..2543, 3179..3236		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72566	Strand	-
Start	101	End	6303
Name	OJ990408_02.9922.C6.o1.np	Method	AAT/NAP
Start	718	End	6303
GI	4680179	Score	695
Exons	718..857, 5157..5963, 6245..6303		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72566	Strand	-
Start	101	End	6303
Name	OJ990408_02.9922.C6.o2.gs	Method	GENSCAN
Start	5050	End	5862
GI	none	Score	.63
Exons	5050..5862		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72567	Strand	-
Start	8351	End	9080
Name	OJ990408_02.9922.C6.o3.gs	Method	GENSCAN
Start	8351	End	9080
GI	none	Score	.59
Exons	8351..8599, 8605..8838, 8898..9080		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72568	Strand	-
Start	11491	End	11760
Name	OJ990408_02.9922.C6.o4.gs	Method	GENSCAN
Start	11491	End	11760
GI	none	Score	.8
Exons	11491..11760		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72569	Strand	-
Start	12535	End	22389
Name	OJ990408_02.9922.C6.o4.tm	Method	TBLASTX:Maize
Start	5296	End	5556
GI	none	Score	83
Exons	5296..5556, 5372..5536		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72569	Strand	-
Start	12535	End	22389
Name	OJ990408_02.9922.C6.o6.tw	Method	TBLASTX:Wheat
Start	5440	End	5796
GI	none	Score	70
Exons	5440..5796, 5441..5581, 5618..5794		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72569	Strand	-
Start	12535	End	22389
Name	OJ990408_02.9922.C6.o5.gs	Method	GENSCAN
Start	12535	End	22389
GI	none	Score	.54
Exons	12535..12684, 17506..17591, 17670..17883, 18019..18090, 18145..18395, 18628..18922, 19298..20467, 20822..21010, 21545..21737, 22205..22331, 22338..22389		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72569	Strand	-
Start	12535	End	22389
Name	OJ990408_02.9922.C6.o2.np	Method	AAT/NAP
Start	17401	End	21634
GI	4388818	Score	2263
Exons	17401..21070, 21505..21634		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72569	Strand	-
Start	12535	End	22389
Name	OJ990408_02.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	17406	End	17832
GI	none	Score	149
Exons	17406..17651, 17408..17830, 17410..17832		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72569	Strand	-
Start	12535	End	22389
Name	OJ990408_02.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	17410	End	17808
GI	none	Score	59
Exons	17410..17523, 17411..17509, 17525..17806, 17533..17808		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72569	Strand	-
Start	12535	End	22389
Name	OJ990408_02.9922.C6.o2.tc	Method	TBLASTX:Cress
Start	17410	End	17886
GI	none	Score	72
Exons	17410..17619, 17635..17781, 17782..17886		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72569	Strand	-
Start	12535	End	22389
Name	OJ990408_02.9922.C6.o5.tw	Method	TBLASTX:Wheat
Start	17434	End	17869
GI	none	Score	54
Exons	17434..17634, 17494..17625, 17653..17856, 17678..17869		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72569	Strand	-
Start	12535	End	22389
Name	OJ990408_02.9922.C6.o2.tm	Method	TBLASTX:Maize

Start	17888	End	18334
GI	none	Score	211
Exons	17888..18199, 17893..18198, 18172..18333, 18242..18334		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72569	Strand	-
Start	12535	End	22389
Name	OJ990408_02.9922.C6.o4.tw	Method	TBLASTX:Wheat
Start	17983	End	18480
GI	none	Score	56
Exons	17983..18414, 18002..18166, 18227..18361, 18454..18480		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72569	Strand	-
Start	12535	End	22389
Name	OJ990408_02.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	18493	End	18882
GI	none	Score	155
Exons	18493..18762, 18499..18672, 18500..18871, 18501..18860, 18506..18871, 18694..18882		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72569	Strand	-
Start	12535	End	22389
Name	OJ990408_02.9922.C6.o3.ts	Method	TBLASTX:Soybean
Start	18500	End	18745
GI	none	Score	150
Exons	18500..18745, 18501..18692, 18518..18739		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72569	Strand	-
Start	12535	End	22389
Name	OJ990408_02.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	18954	End	19474
GI	none	Score	66
Exons	18954..19220, 19061..19219, 19235..19474		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72569	Strand	-
Start	12535	End	22389
Name	OJ990408_02.9922.C6.o2.ts	Method	TBLASTX:Soybean
Start	19094	End	19534
GI	none	Score	95
Exons	19094..19231, 19217..19477, 19287..19472, 19472..19534		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72569	Strand	-
Start	12535	End	22389
Name	OJ990408_02.9922.C6.o2.tw	Method	TBLASTX:Wheat
Start	19157	End	19754
GI	none	Score	50
Exons	19157..19219, 19236..19316, 19316..19474, 19359..19475, 19469..19753, 19470..19754		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72569	Strand	-
Start	12535	End	22389

Name	OJ990408_02.9922.C6.o3.tm	Method	TBLASTX:Maize
Start	19307	End	19768
GI	none	Score	77
Exons	19307..19477, 19308..19478, 19472..19768		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72569	Strand	-
Start	12535	End	22389
Name	OJ990408_02.9922.C6.o2.gp	Method	AAT/GAP
Start	19481	End	19917
GI	2428449	Score	830
Exons	19481..19917		
GI Descrip.	4388818/gb\|AAD19773\| 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]		

Seq. No.	35143	Seq. ID	OJ990408_02.9922.C6
Gene No.	72569	Strand	-
Start	12535	End	22389
Name	OJ990408_02.9922.C6.o3.tw	Method	TBLASTX:Wheat
Start	20459	End	20884
GI	none	Score	46
Exons	20459..20530, 20471..20512, 20530..20625, 20588..20650, 20642..20752, 20643..20735, 20648..20749, 20732..20884, 20742..20864		

Seq. No.	35144	Seq. ID	OJ990408_02.9922.C7
Gene No.	72570	Strand	-
Start	656	End	1626
Name	OJ990408_02.9922.C7.o1.np	Method	AAT/NAP
Start	656	End	1626
GI	6539588	Score	112
Exons	656..883, 1600..1626		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	35144	Seq. ID	OJ990408_02.9922.C7
Gene No.	72571	Strand	-
Start	2844	End	3455
Name	OJ990408_02.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	2835	End	3455
GI	none	Score	52
Exons	2835..3095, 2911..3081, 3157..3312, 3159..3455, 3369..3452		

Seq. No.	35144	Seq. ID	OJ990408_02.9922.C7
Gene No.	72571	Strand	-
Start	2844	End	3455
Name	OJ990408_02.9922.C7.o2.gs	Method	GENSCAN
Start	2844	End	3095
GI	none	Score	.96
Exons	2844..3095		

Seq. No.	35144	Seq. ID	OJ990408_02.9922.C7
Gene No.	72571	Strand	-
Start	2844	End	3455
Name	OJ990408_02.9922.C7.o2.np	Method	AAT/NAP
Start	2844	End	3455
GI	4416302	Score	599

Exons	2844..3455		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		
Seq. No.	35144	Seq. ID	OJ990408_02.9922.C7
Gene No.	72571	Strand	-
Start	2844	End	3455
Name	OJ990408_02.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	2865	End	3452
GI	none	Score	345
Exons	2865..3452, 2875..3450		
Seq. No.	35144	Seq. ID	OJ990408_02.9922.C7
Gene No.	72571	Strand	-
Start	2844	End	3455
Name	OJ990408_02.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	2910	End	3368
GI	none	Score	53
Exons	2910..3086, 2911..3027, 3144..3368		
Seq. No.	35145	Seq. ID	OJ990408_02.9922.C8
Gene No.	72572	Strand	-
Start	1	End	581
Name	OJ990408_02.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	581
GI	4416302	Score	528
Exons	1..581		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		
Seq. No.	35145	Seq. ID	OJ990408_02.9922.C8
Gene No.	72572	Strand	-
Start	1	End	581
Name	OJ990408_02.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	32	End	558
GI	none	Score	187
Exons	32..313, 34..558, 392..520		
Seq. No.	35145	Seq. ID	OJ990408_02.9922.C8
Gene No.	72572	Strand	-
Start	1	End	581
Name	OJ990408_02.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	106	End	570
GI	none	Score	61
Exons	106..417, 107..211, 415..570		
Seq. No.	35145	Seq. ID	OJ990408_02.9922.C8
Gene No.	72572	Strand	-
Start	1	End	581
Name	OJ990408_02.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	127	End	579
GI	none	Score	143
Exons	127..414, 128..301, 136..306, 454..579		
Seq. No.	35145	Seq. ID	OJ990408_02.9922.C8
Gene No.	72572	Strand	-
Start	1	End	581
Name	OJ990408_02.9922.C8.o1.gs	Method	GENSCAN
Start	288	End	555

GI	none	Score	.77
Exons	288..555		

Seq. No.	35146	Seq. ID	OJ990408_02.9922.C9
Gene No.	72573	Strand	-
Start	96	End	380
Name	OJ990408_02.9922.C9.o1.gs	Method	GENSCAN
Start	96	End	380
GI	none	Score	.4
Exons	96..380		

Seq. No.	35147	Seq. ID	OJ990408_02.9922.C10
Gene No.	72574	Strand	+
Start	1	End	1893
Name	OJ990408_02.9922.C10.o1.np	Method	AAT/NAP
Start	1	End	1893
GI	5902445	Score	1604
Exons	1..1240, 1280..1893		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	35147	Seq. ID	OJ990408_02.9922.C10
Gene No.	72574	Strand	+
Start	1	End	1893
Name	OJ990408_02.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	1	End	399
GI	none	Score	297
Exons	1..399, 6..158		

Seq. No.	35147	Seq. ID	OJ990408_02.9922.C10
Gene No.	72574	Strand	+
Start	1	End	1893
Name	OJ990408_02.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	5	End	344
GI	none	Score	126
Exons	5..76, 12..311, 12..344, 13..342		

Seq. No.	35147	Seq. ID	OJ990408_02.9922.C10
Gene No.	72574	Strand	+
Start	1	End	1893
Name	OJ990408_02.9922.C10.o1.gs	Method	GENSCAN
Start	16	End	1426
GI	none	Score	.84
Exons	16..505, 588..779, 1038..1426		

Seq. No.	35147	Seq. ID	OJ990408_02.9922.C10
Gene No.	72574	Strand	+
Start	1	End	1893
Name	OJ990408_02.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	66	End	493
GI	none	Score	255
Exons	66..299, 67..321, 340..414, 434..493		

Seq. No.	35147	Seq. ID	OJ990408_02.9922.C10
Gene No.	72574	Strand	+
Start	1	End	1893
Name	OJ990408_02.9922.C10.o3.tw	Method	TBLASTX:Wheat
Start	491	End	898

GI	none	Score	202
Exons	491..715, 544..717, 725..898,	833..895	

Seq. No.	35147	Seq. ID	OJ990408_02.9922.C10
Gene No.	72574	Strand	+
Start	1	End	1893
Name	OJ990408_02.9922.C10.o4.tw	Method	TBLASTX:Wheat
Start	937	End	1257
GI	none	Score	177
Exons	937..1257, 938..1195		

Seq. No.	35147	Seq. ID	OJ990408_02.9922.C10
Gene No.	72574	Strand	+
Start	1	End	1893
Name	OJ990408_02.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	1400	End	1705
GI	none	Score	326
Exons	1400..1705, 1438..1704		

Seq. No.	35147	Seq. ID	OJ990408_02.9922.C10
Gene No.	72574	Strand	+
Start	1	End	1893
Name	OJ990408_02.9922.C10.o2.tw	Method	TBLASTX:Wheat
Start	1400	End	1783
GI	none	Score	336
Exons	1400..1783, 1408..1782		

Seq. No.	35148	Seq. ID	OJ990408_02.9922.C11
Gene No.	72575	Strand	+
Start	1	End	1290
Name	OJ990408_02.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	1290
GI	5902445	Score	431
Exons	1..490, 1264..1290		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	35148	Seq. ID	OJ990408_02.9922.C11
Gene No.	72575	Strand	+
Start	1	End	1290
Name	OJ990408_02.9922.C11.o1.gs	Method	GENSCAN
Start	17	End	460
GI	none	Score	1
Exons	17..460		

Seq. No.	35148	Seq. ID	OJ990408_02.9922.C11
Gene No.	72575	Strand	+
Start	1	End	1290
Name	OJ990408_02.9922.C11.o2.gs	Method	GENSCAN
Start	1001	End	1057
GI	none	Score	.96
Exons	1001..1057		

Seq. No.	35148	Seq. ID	OJ990408_02.9922.C11
Gene No.	72576	Strand	-
Start	894	End	1290
Name	OJ990408_02.9922.C11.o1.tw	Method	TBLASTX:Wheat
Start	104	End	490

GI	none	Score	284
Exons	104..490, 118..207, 253..360		

Seq. No.	35148	Seq. ID	OJ990408_02.9922.C11
Gene No.	72576	Strand	-
Start	894	End	1290
Name	OJ990408_02.9922.C11.o2.np	Method	AAT/NAP
Start	894	End	1290
GI	6815109	Score	485
Exons	894..1290		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	35149	Seq. ID	OJ990408_02.9922.C12
Gene No.	72577	Strand	+
Start	167	End	388
Name	OJ990408_02.9922.C12.o1.gs	Method	GENSCAN
Start	167	End	388
GI	none	Score	.96
Exons	167..388		

Seq. No.	35149	Seq. ID	OJ990408_02.9922.C12
Gene No.	72578	Strand	+
Start	1429	End	2543
Name	OJ990408_02.9922.C12.o2.gs	Method	GENSCAN
Start	1429	End	2543
GI	none	Score	.71
Exons	1429..1434, 2044..2172, 2439..2543		

Seq. No.	35149	Seq. ID	OJ990408_02.9922.C12
Gene No.	72579	Strand	+
Start	8189	End	10629
Name	OJ990408_02.9922.C12.o4.np	Method	AAT/NAP
Start	8189	End	10629
GI	5032266	Score	116
Exons	8189..8445, 10603..10629		
GI Descrip.	(AF147265) similar to Arabidopsis thaliana putative En/Spm transposon protein (GB:AC005396)		

Seq. No.	35149	Seq. ID	OJ990408_02.9922.C12
Gene No.	72580	Strand	-
Start	1836	End	1945
Name	OJ990408_02.9922.C12.o1.gp	Method	AAT/GAP
Start	1836	End	1945
GI	uC-osflcyp088b12b1	Score	152
Exons	1836..1945		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	35149	Seq. ID	OJ990408_02.9922.C12
Gene No.	72581	Strand	-
Start	3084	End	6246
Name	OJ990408_02.9922.C12.o3.gs	Method	GENSCAN
Start	3084	End	6246
GI	none	Score	.81
Exons	3084..3466, 3565..3710, 3849..4309, 4427..4610, 4677..4735, 4806..4952, 5065..5189, 5269..5428, 5541..5572, 6144..6246		

Seq. No.	35149	Seq. ID	OJ990408_02.9922.C12
Gene No.	72581	Strand	-
Start	3084	End	6246
Name	OJ990408_02.9922.C12.o1.np	Method	AAT/NAP
Start	3848	End	6011
GI	6721561	Score	1099
Exons	3848..4610, 4677..4735, 4806..4997, 5943..6011		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35149	Seq. ID	OJ990408_02.9922.C12
Gene No.	72581	Strand	-
Start	3084	End	6246
Name	OJ990408_02.9922.C12.o2.np	Method	AAT/NAP
Start	5282	End	6014
GI	6907089	Score	259
Exons	5282..6014		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	35149	Seq. ID	OJ990408_02.9922.C12
Gene No.	72582	Strand	-
Start	6827	End	8523
Name	OJ990408_02.9922.C12.o3.np	Method	AAT/NAP
Start	6827	End	8523
GI	6721512	Score	82
Exons	6827..6934, 8503..8523		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	35150	Seq. ID	OJ990408_02.9922.C13
Gene No.	72583	Strand	+
Start	892	End	1009
Name	OJ990408_02.9922.C13.o1.gs	Method	GENSCAN
Start	892	End	1009
GI	none	Score	.89
Exons	892..1009		

Seq. No.	35150	Seq. ID	OJ990408_02.9922.C13
Gene No.	72584	Strand	+
Start	2844	End	5572
Name	OJ990408_02.9922.C13.o2.gs	Method	GENSCAN
Start	2844	End	5572
GI	none	Score	.44
Exons	2844..2911, 3941..4087, 4627..4648, 4917..4997, 5127..5304, 5475..5572		

Seq. No.	35150	Seq. ID	OJ990408_02.9922.C13
Gene No.	72585	Strand	+
Start	6831	End	7344
Name	OJ990408_02.9922.C13.o3.gs	Method	GENSCAN
Start	6831	End	7344
GI	none	Score	.72
Exons	6831..6980, 7228..7344		

Seq. No.	35150	Seq. ID	OJ990408_02.9922.C13

Gene No.	72586	Strand	-
Start	1569	End	1740
Name	OJ990408_02.9922.C13.o1.gp	Method	AAT/GAP
Start	1569	End	1740
GI	none	Score	309
Exons	1569..1740		

Seq. No.	35150	Seq. ID	OJ990408_02.9922.C13
Gene No.	72587	Strand	-
Start	6887	End	13268
Name	OJ990408_02.9922.C13.o1.np	Method	AAT/NAP
Start	6887	End	13268
GI	5091513	Score	853
Exons	6887..7130, 7283..7433, 8276..8903, 9644..10185, 13214..13268		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	35150	Seq. ID	OJ990408_02.9922.C13
Gene No.	72587	Strand	-
Start	6887	End	13268
Name	OJ990408_02.9922.C13.o4.gs	Method	GENSCAN
Start	7874	End	8919
GI	none	Score	.68
Exons	7874..8341, 8460..8758, 8781..8919		

Seq. No.	35150	Seq. ID	OJ990408_02.9922.C13
Gene No.	72587	Strand	-
Start	6887	End	13268
Name	OJ990408_02.9922.C13.o5.gs	Method	GENSCAN
Start	9745	End	13189
GI	none	Score	.76
Exons	9745..10224, 10323..10473, 10533..10610, 13071..13189		

Seq. No.	35151	Seq. ID	OJ990408_02.9922.C15
Gene No.	72588	Strand	+
Start	277	End	868
Name	OJ990408_02.9922.C15.o2.np	Method	AAT/NAP
Start	277	End	868
GI	3885338	Score	110
Exons	277..350, 608..868		
GI Descrip.	(AC005623) unknown protein [Arabidopsis thaliana]		

Seq. No.	35151	Seq. ID	OJ990408_02.9922.C15
Gene No.	72589	Strand	-
Start	1	End	785
Name	OJ990408_02.9922.C15.o1.np	Method	AAT/NAP
Start	1	End	673
GI	2827517	Score	118
Exons	1..82, 190..374, 603..673		
GI Descrip.	(AL021633) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	35151	Seq. ID	OJ990408_02.9922.C15
Gene No.	72589	Strand	-
Start	1	End	785
Name	OJ990408_02.9922.C15.o1.gs	Method	GENSCAN
Start	94	End	785
GI	none	Score	.76
Exons	94..274, 645..785		

Seq. No.	35152	Seq. ID	OJ990708_08.9922.C1
Gene No.	72590	Strand	+
Start	14	End	396
Name	OJ990708_08.9922.C1.o1.gp	Method	AAT/GAP
Start	14	End	396
GI	uC-osflcyp033a04b1	Score	664
Exons	14..396		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35152	Seq. ID	OJ990708_08.9922.C1
Gene No.	72591	Strand	-
Start	1	End	718
Name	OJ990708_08.9922.C1.o1.np	Method	AAT/NAP
Start	1	End	718
GI	4680186	Score	202
Exons	1..163, 698..718		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35152	Seq. ID	OJ990708_08.9922.C1
Gene No.	72591	Strand	-
Start	1	End	718
Name	OJ990708_08.9922.C1.o2.np	Method	AAT/NAP
Start	245	End	718
GI	5852180	Score	56
Exons	245..303, 532..718		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	35153	Seq. ID	OJ990708_08.9922.C2
Gene No.	72592	Strand	+
Start	1	End	693
Name	OJ990708_08.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	693
GI	6498436	Score	215
Exons	1..35, 406..693		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	35154	Seq. ID	OJ990708_08.9922.C3
Gene No.	72593	Strand	-
Start	1	End	618
Name	OJ990708_08.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	618
GI	2791527	Score	119
Exons	1..141, 202..618		
GI Descrip.	(AL021246) PE_PGRS [Mycobacterium tuberculosis]		

Seq. No.	35155	Seq. ID	OJ990708_08.9922.C4
Gene No.	72594	Strand	+
Start	397	End	462
Name	OJ990708_08.9922.C4.o1.gs	Method	GENSCAN
Start	397	End	462
GI	none	Score	.62
Exons	397..462		

Seq. No.	35155	Seq. ID	OJ990708_08.9922.C4
Gene No.	72595	Strand	-

Start	1	End	630
Name	OJ990708_08.9922.C4.o1.np	Method	AAT/NAP
Start	1	End	630
GI	6721516	Score	233
Exons	1..95, 486..630		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	35156	Seq. ID	OJ990708_08.9922.C6
Gene No.	72596	Strand	+
Start	745	End	4748
Name	OJ990708_08.9922.C6.o1.gs	Method	GENSCAN
Start	745	End	4748
GI	none	Score	.44
Exons	745..792, 2316..2579, 2922..3050, 3089..3429, 4206..4481, 4597..4748		

Seq. No.	35156	Seq. ID	OJ990708_08.9922.C6
Gene No.	72597	Strand	+
Start	4777	End	4957
Name	OJ990708_08.9922.C6.o4.np	Method	AAT/NAP
Start	4777	End	4957
GI	6498441	Score	92
Exons	4777..4957		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	35156	Seq. ID	OJ990708_08.9922.C6
Gene No.	72598	Strand	-
Start	1	End	3490
Name	OJ990708_08.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	3490
GI	6721516	Score	424
Exons	1..24, 684..933, 1369..1626, 3454..3490		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	35156	Seq. ID	OJ990708_08.9922.C6
Gene No.	72599	Strand	
Start	4099	End	4437
Name	OJ990708_08.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	4099	End	4437
GI	none	Score	191
Exons	4099..4437		

Seq. No.	35157	Seq. ID	OJ990708_08.9922.C7
Gene No.	72600	Strand	+
Start	1	End	4988
Name	OJ990708_08.9922.C7.o1.np	Method	AAT/NAP
Start	1	End	4988
GI	4544372	Score	537
Exons	1..35, 1013..1344, 4106..4988		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	35157	Seq. ID	OJ990708_08.9922.C7
Gene No.	72600	Strand	+
Start	1	End	4988

Name	OJ990708_08.9922.C7.o1.gs	Method	GENSCAN
Start	145	End	1438
GI	none	Score	.98
Exons	145..178, 416..1438		

Seq. No.	35157	Seq. ID	OJ990708_08.9922.C7
Gene No.	72601	Strand	-
Start	5739	End	5972
Name	OJ990708_08.9922.C7.o3.gs	Method	GENSCAN
Start	5739	End	5972
GI	none	Score	.93
Exons	5739..5972		

Seq. No.	35157	Seq. ID	OJ990708_08.9922.C7
Gene No.	72602	Strand	-
Start	6218	End	10164
Name	OJ990708_08.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	382	End	793
GI	none	Score	49
Exons	382..429, 427..516, 428..520,	541..708,	542..793

Seq. No.	35157	Seq. ID	OJ990708_08.9922.C7
Gene No.	72602	Strand	-
Start	6218	End	10164
Name	OJ990708_08.9922.C7.o2.tw	Method	TBLASTX:Wheat
Start	419	End	817
GI	none	Score	90
Exons	419..517, 557..817		

Seq. No.	35157	Seq. ID	OJ990708_08.9922.C7
Gene No.	72602	Strand	-
Start	6218	End	10164
Name	OJ990708_08.9922.C7.o3.ts	Method	TBLASTX:Soybean
Start	4112	End	4406
GI	none	Score	193
Exons	4112..4225, 4113..4406		

Seq. No.	35157	Seq. ID	OJ990708_08.9922.C7
Gene No.	72602	Strand	-
Start	6218	End	10164
Name	OJ990708_08.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	4566	End	4973
GI	none	Score	219
Exons	4566..4973		

Seq. No.	35157	Seq. ID	OJ990708_08.9922.C7
Gene No.	72602	Strand	-
Start	6218	End	10164
Name	OJ990708_08.9922.C7.o2.ts	Method	TBLASTX:Soybean
Start	4749	End	4991
GI	none	Score	218
Exons	4749..4991, 4751..4888, 4959..4988		

Seq. No.	35157	Seq. ID	OJ990708_08.9922.C7
Gene No.	72602	Strand	-
Start	6218	End	10164
Name	OJ990708_08.9922.C7.o4.gs	Method	GENSCAN

Start	6218	End	10164
GI	none	Score	.75
Exons	6218..6721, 6742..6903, 7162..7227, 7297..7719, 7797..7930, 7935..8374, 8423..9120, 10084..10164		

Seq. No.	35158	Seq. ID	OJ990708_08.9922.C8
Gene No.	72603	Strand	+
Start	798	End	4821
Name	OJ990708_08.9922.C8.o3.tm	Method	TBLASTX:Maize
Start	797	End	1304
GI	none	Score	213
Exons	797..964, 799..966, 977..1132, 981..1133, 1127..1243, 1146..1304		

Seq. No.	35158	Seq. ID	OJ990708_08.9922.C8
Gene No.	72603	Strand	+
Start	798	End	4821
Name	OJ990708_08.9922.C8.o1.np	Method	AAT/NAP
Start	798	End	2960
GI	6630685	Score	2552
Exons	798..2960		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	35158	Seq. ID	OJ990708_08.9922.C8
Gene No.	72603	Strand	+
Start	798	End	4821
Name	OJ990708_08.9922.C8.o3.tw	Method	TBLASTX:Wheat
Start	866	End	1208
GI	none	Score	100
Exons	866..943, 976..1104, 980..1108, 981..1097, 1118..1198, 1119..1208		

Seq. No.	35158	Seq. ID	OJ990708_08.9922.C8
Gene No.	72603	Strand	+
Start	798	End	4821
Name	OJ990708_08.9922.C8.o1.gs	Method	GENSCAN
Start	1013	End	4821
GI	none	Score	.52
Exons	1013..2917, 3885..3942, 4359..4380, 4547..4821		

Seq. No.	35158	Seq. ID	OJ990708_08.9922.C8
Gene No.	72603	Strand	+
Start	798	End	4821
Name	OJ990708_08.9922.C8.o4.tm	Method	TBLASTX:Maize
Start	1305	End	1592
GI	none	Score	284
Exons	1305..1553, 1325..1588, 1542..1592, 1544..1591		

Seq. No.	35158	Seq. ID	OJ990708_08.9922.C8
Gene No.	72603	Strand	+
Start	798	End	4821
Name	OJ990708_08.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	1320	End	1933
GI	5509260	Score	710
Exons	1320..1928, 1413..1925, 1445..1933, 1862..1933		
GI Descrip.	-		

Seq. No.	35158	Seq. ID	OJ990708_08.9922.C8
Gene No.	72603	Strand	+
Start	798	End	4821
Name	OJ990708_08.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	1449	End	1925
GI	none	Score	84
Exons	1449..1538, 1545..1571, 1562..1915, 1572..1919, 1578..1706, 1580..1918, 1749..1925		

Seq. No.	35158	Seq. ID	OJ990708_08.9922.C8
Gene No.	72603	Strand	+
Start	798	End	4821
Name	OJ990708_08.9922.C8.o1.tc	Method	TBLASTX:Cress
Start	1541	End	1805
GI	none	Score	196
Exons	1541..1687, 1542..1805		

Seq. No.	35158	Seq. ID	OJ990708_08.9922.C8
Gene No.	72603	Strand	+
Start	798	End	4821
Name	OJ990708_08.9922.C8.o2.tm	Method	TBLASTX:Maize
Start	1593	End	2061
GI	none	Score	566
Exons	1593..2060, 1593..1712, 1595..2053, 1900..2061		

Seq. No.	35158	Seq. ID	OJ990708_08.9922.C8
Gene No.	72603	Strand	+
Start	798	End	4821
Name	OJ990708_08.9922.C8.o5.tm	Method	TBLASTX:Maize
Start	2102	End	2294
GI	none	Score	241
Exons	2102..2293, 2103..2294		

Seq. No.	35158	Seq. ID	OJ990708_08.9922.C8
Gene No.	72603	Strand	+
Start	798	End	4821
Name	OJ990708_08.9922.C8.o2.tw	Method	TBLASTX:Wheat
Start	2103	End	2519
GI	none	Score	92
Exons	2103..2270, 2283..2519		

Seq. No.	35158	Seq. ID	OJ990708_08.9922.C8
Gene No.	72603	Strand	+
Start	798	End	4821
Name	OJ990708_08.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	2295	End	2982
GI	none	Score	892
Exons	2295..2957, 2297..2971, 2858..2962, 2860..2982		

Seq. No.	35158	Seq. ID	OJ990708_08.9922.C8
Gene No.	72603	Strand	+
Start	798	End	4821
Name	OJ990708_08.9922.C8.o2.ts	Method	TBLASTX:Soybean
Start	2304	End	2990
GI	none	Score	297
Exons	2304..2687, 2309..2680, 2316..2687, 2721..2990, 2727..2870, 2750..2896		

Seq. No.	35158	Seq. ID	OJ990708_08.9922.C8
Gene No.	72603	Strand	+
Start	798	End	4821
Name	OJ990708_08.9922.C8.o2.tc	Method	TBLASTX:Cress
Start	2484	End	2942
GI	none	Score	60
Exons	2484..2573, 2577..2711, 2697..2942, 2723..2890		

Seq. No.	35158	Seq. ID	OJ990708_08.9922.C8
Gene No.	72603	Strand	+
Start	798	End	4821
Name	OJ990708_08.9922.C8.o4.tw	Method	TBLASTX:Wheat
Start	2529	End	2909
GI	none	Score	110
Exons	2529..2702, 2597..2677, 2721..2909, 2777..2896		

Seq. No.	35159	Seq. ID	OJ990708_08.9922.C9
Gene No.	72604	Strand	+
Start	1	End	1327
Name	OJ990708_08.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	1324
GI	6907087	Score	828
Exons	1..682, 1223..1324		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35159	Seq. ID	OJ990708_08.9922.C9
Gene No.	72604	Strand	+
Start	1	End	1327
Name	OJ990708_08.9922.C9.o1.gs	Method	GENSCAN
Start	55	End	1327
GI	none	Score	.86
Exons	55..492, 516..682, 1223..1327		

Seq. No.	35159	Seq. ID	OJ990708_08.9922.C9
Gene No.	72605	Strand	+
Start	1968	End	3172
Name	OJ990708_08.9922.C9.o1.gp	Method	AAT/GAP
Start	1788.	End	2171
GI	uC-osflcyp033a04b1	Score	685
Exons	1788..2171		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35159	Seq. ID	OJ990708_08.9922.C9
Gene No.	72605	Strand	+
Start	1968	End	3172
Name	OJ990708_08.9922.C9.o2.gs	Method	GENSCAN
Start	1968	End	3172
GI	none	Score	.75
Exons	1968..2043, 2859..3172		

Seq. No.	35159	Seq. ID	OJ990708_08.9922.C9
Gene No.	72606	Strand	+
Start	6892	End	8247

Name	OJ990708_08.9922.C9.o4.np	Method	AAT/NAP
Start	5838	End	6930
GI	2213608	Score	489
Exons	5838..6930		
GI Descrip.	(AC000103) F21J9.2 [Arabidopsis thaliana]		

Seq. No.	35159	Seq. ID	OJ990708_08.9922.C9
Gene No.	72606	Strand	+
Start	6892	End	8247
Name	OJ990708_08.9922.C9.o3.gs	Method	GENSCAN
Start	6892	End	8247
GI	none	Score	.9
Exons	6892..7023, 8161..8247		

Seq. No.	35159	Seq. ID	OJ990708_08.9922.C9
Gene No.	72607	Strand	-
Start	1717	End	6697
Name	OJ990708_08.9922.C9.o2.np	Method	AAT/NAP
Start	1717	End	3670
GI	4680186	Score	231
Exons	1717..1921, 3625..3670		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35159	Seq. ID	OJ990708_08.9922.C9
Gene No.	72607	Strand	-
Start	1717	End	6697
Name	OJ990708_08.9922.C9.o3.np	Method	AAT/NAP
Start	3079	End	6697
GI	6721516	Score	444
Exons	3079..3281, 4080..4390, 4781..5031, 6676..6697		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	35159	Seq. ID	OJ990708_08.9922.C9
Gene No.	72608	Strand	-
Start	9777	End	13251
Name	OJ990708_08.9922.C9.o2.ts	Method	TBLASTX:Soybean
Start	5938	End	6356
GI	none	Score	115
Exons	5938..6141, 6156..6356, 6164..6355		

Seq. No.	35159	Seq. ID	OJ990708_08.9922.C9
Gene No.	72608	Strand	-
Start	9777	End	13251
Name	OJ990708_08.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	6007	End	6383
GI	none	Score	123
Exons	6007..6144, 6042..6149, 6162..6383, 6164..6373		

Seq. No.	35159	Seq. ID	OJ990708_08.9922.C9
Gene No.	72608	Strand	-
Start	9777	End	13251
Name	OJ990708_08.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	6022	End	6407
GI	none	Score	127
Exons	6022..6150, 6027..6149, 6144..6275, 6147..6344, 6149..6346, 6345..6407, 6348..6398		

Seq. No.	35159	Seq. ID	OJ990708_08.9922.C9
Gene No.	72608	Strand	-
Start	9777	End	13251
Name	OJ990708_08.9922.C9.o2.tw	Method	TBLASTX:Wheat
Start	6802	End	7119
GI	none	Score	236
Exons	6802..7119, 6808..6951		

Seq. No.	35159	Seq. ID	OJ990708_08.9922.C9
Gene No.	72608	Strand	-
Start	9777	End	13251
Name	OJ990708_08.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	9742	End	12509
GI	none	Score	156
Exons	9742..9900, 9766..9897, 9777..9908, 9777..9908, 10581..10703, 10592..10702, 10799..10921, 10800..10916, 11691..11744, 11695..11745, 11869..11964, 11873..11962, 11886..11984, 12166..12258, 12169..12246, 12170..12256, 12351..12509, 12352..12507		

Seq. No.	35159	Seq. ID	OJ990708_08.9922.C9
Gene No.	72608	Strand	-
Start	9777	End	13251
Name	OJ990708_08.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	9772	End	12517
GI	none	Score	95
Exons	9772..9879, 9774..9908, 9774..9896, 10592..10702, 10599..10703, 10799..10921, 10800..10922, 11694..11744, 11869..11964, 11873..11959, 12169..12246, 12176..12250, 12351..12509, 12352..12507, 12359..12517, 12390..12509		

Seq. No.	35159	Seq. ID	OJ990708_08.9922.C9
Gene No.	72608	Strand	-
Start	9777	End	13251
Name	OJ990708_08.9922.C9.o4.gs	Method	GENSCAN
Start	9777	End	13119
GI	none	Score	.68
Exons	9777..9887, 9939..10003, 10801..10915, 11697..11744, 11872..11961, 12172..12246, 12354..12506, 13048..13119		

Seq. No.	35159	Seq. ID	OJ990708_08.9922.C9
Gene No.	72608	Strand	-
Start	9777	End	13251
Name	OJ990708_08.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	9778	End	11744
GI	none	Score	101
Exons	9778..9885, 9780..9908, 10581..10703, 10592..10702, 10799..10921, 10800..10922, 11691..11744		

Seq. No.	35159	Seq. ID	OJ990708_08.9922.C9
Gene No.	72608	Strand	-
Start	9777	End	13251
Name	OJ990708_08.9922.C9.o5.np	Method	AAT/NAP
Start	9780	End	13251
GI	6958204	Score	1002
Exons	9780..9887, 10595..10698, 10801..10915, 11697..11744, 11872..11961, 12172..12246, 12354..12506, 13048..13251		

GI Descrip. (AF091838) single-subunit RNA polymerase G [Triticum aestivum]

Seq. No.	35160	Seq. ID	OJ990708_08.9922.C10
Gene No.	72609	Strand	-
Start	1	End	1736
Name	OJ990708_08.9922.C10.o1.np	Method	AAT/NAP
Start	1	End	1736
GI	4559304	Score	124
Exons	1..49, 1479..1549, 1671..1736		
GI Descrip.	(AF127021) T7-like RNA polymerase [Zea mays]		

Seq. No.	35160	Seq. ID	OJ990708_08.9922.C10
Gene No.	72609	Strand	-
Start	1	End	1736
Name	OJ990708_08.9922.C10.o1.gs	Method	GENSCAN
Start	1479	End	1721
GI	none	Score	.85
Exons	1479..1549, 1671..1721		

Seq. No.	35161	Seq. ID	OJ990708_08.9922.C11
Gene No.	72610	Strand	+
Start	4778	End	5926
Name	OJ990708_08.9922.C11.o2.np	Method	AAT/NAP
Start	4778	End	5926
GI	6630699	Score	120
Exons	4778..5050, 5842..5926		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	35161	Seq. ID	OJ990708_08.9922.C11
Gene No.	72611	Strand	-
Start	469	End	5138
Name	OJ990708_08.9922.C11.o1.gs	Method	GENSCAN
Start	469	End	5138
GI	none	Score	.86
Exons	469..885, 961..1092, 1211..1324, 2545..2611, 2696..2829, 2918..3133, 4059..5138		

Seq. No.	35161	Seq. ID	OJ990708_08.9922.C11
Gene No.	72611	Strand	-
Start	469	End	5138
Name	OJ990708_08.9922.C11.o1.np	Method	AAT/NAP
Start	469	End	4951
GI	6958204	Score	2503
Exons	469..885, 961..1092, 1211..1324, 2024..2141, 2388..2446, 2545..2611, 2699..2829, 2918..3133, 4059..4535, 4590..4951		
GI Descrip.	(AF091838) single-subunit RNA polymerase G [Triticum aestivum]		

Seq. No.	35161	Seq. ID	OJ990708_08.9922.C11
Gene No.	72612	Strand	-
Start	5622	End	5796
Name	OJ990708_08.9922.C11.o1.gp	Method	AAT/GAP
Start	5622	End	5796
GI	35458_1.R1084	Score	128
Exons	5622..5652, 5697..5796		
GI Descrip.	'3868853/dbj\|BAA34247\| 1.0e-21 (AB013853) GPI-anchored protein		

[Vigna radiata]'

Seq. No.	35161	Seq. ID	OJ990708_08.9922.C11
Gene No.	72613	Strand	-
Start	5832	End	7781
Name	OJ990708_08.9922.C11.o1.tc	Method	TBLASTX:Cress
Start	469	End	4455
GI	none	Score	454
Exons	469..888, 479..886, 508..888, 958..1092, 964..1083, 1208..1327, 2024..2140, 2025..2141, 2361..2447, 2387..2446, 2540..2617, 2545..2595, 2701..2829, 2702..2830, 2915..3070, 2916..3026, 4057..4122, 4122..4448, 4129..4188, 4264..4455		

Seq. No.	35161	Seq. ID	OJ990708_08.9922.C11
Gene No.	72613	Strand	-
Start	5832	End	7781
Name	OJ990708_08.9922.C11.o2.tm	Method	TBLASTX:Maize
Start	470	End	598
GI	none	Score	197
Exons	470..592, 473..598, 475..597		

Seq. No.	35161	Seq. ID	OJ990708_08.9922.C11
Gene No.	72613	Strand	-
Start	5832	End	7781
Name	OJ990708_08.9922.C11.o1.ts	Method	TBLASTX:Soybean
Start	591	End	868
GI	none	Score	116
Exons	591..866, 591..866, 592..867, 593..868		

Seq. No.	35161	Seq. ID	OJ990708_08.9922.C11
Gene No.	72613	Strand	-
Start	5832	End	7781
Name	OJ990708_08.9922.C11.o3.tm	Method	TBLASTX:Maize
Start	972	End	1239
GI	none	Score	103
Exons	972..1088, 973..1080, 973..1092, 1208..1237, 1209..1238, 1210..1239		

Seq. No.	35161	Seq. ID	OJ990708_08.9922.C11
Gene No.	72613	Strand	-
Start	5832	End	7781
Name	OJ990708_08.9922.C11.o1.tm	Method	TBLASTX:Maize
Start	2044	End	2779
GI	none	Score	149
Exons	2044..2139, 2045..2140, 2046..2141, 2366..2446, 2392..2451, 2393..2452, 2544..2624, 2545..2595, 2693..2779, 2695..2778		

Seq. No.	35161	Seq. ID	OJ990708_08.9922.C11
Gene No.	72613	Strand	-
Start	5832	End	7781
Name	OJ990708_08.9922.C11.o2.ts	Method	TBLASTX:Soybean
Start	4087	End	4440
GI	none	Score	70
Exons	4087..4119, 4107..4187, 4108..4188, 4194..4439, 4206..4349, 4228..4440		

Seq. No.	35161	Seq. ID	OJ990708_08.9922.C11

Gene No.	72613	Strand	-
Start	5832	End	7781
Name	OJ990708_08.9922.C11.o2.gs	Method	GENSCAN
Start	5832	End	7425
GI	none	Score	.84
Exons	5832..5996, 6148..6433, 6814..6904, 7368..7425		

Seq. No.	35161	Seq. ID	OJ990708_08.9922.C11
Gene No.	72613	Strand	-
Start	5832	End	7781
Name	OJ990708_08.9922.C11.o2.gp	Method	AAT/GAP
Start	6566	End	7781
GI	4138298	Score	232
Exons	6566..6593, 7648..7781		
GI Descrip.	4138299\|emb\|CAA75509\| 4.0e-97 (Y15219) transcriptional activator [Oryza sativa subsp. indica]		

Seq. No.	35162	Seq. ID	OJ990708_08.9922.C12
Gene No.	72614	Strand	+
Start	738	End	5021
Name	OJ990708_08.9922.C12.o1.gs	Method	GENSCAN
Start	738	End	5021
GI	none	Score	.7
Exons	738..854, 1153..1264, 1357..1447, 1573..1747, 4935..5021		

Seq. No.	35162	Seq. ID	OJ990708_08.9922.C12
Gene No.	72614	Strand	+
Start	738	End	5021
Name	OJ990708_08.9922.C12.o2.np	Method	AAT/NAP
Start	4245	End	4854
GI	3243136	Score	139
Exons	4245..4487, 4757..4854		
GI Descrip.	(AF047702) fragile histidine triad protein [Mus musculus]		

Seq. No.	35162	Seq. ID	OJ990708_08.9922.C12
Gene No.	72615	Strand	-
Start	606	End	5742
Name	OJ990708_08.9922.C12.o1.np	Method	AAT/NAP
Start	606	End	5742
GI	5295955	Score	403
Exons	606..1180, 1220..1605, 1686..1759, 2441..2554, 3101..3169, 5613..5742		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	35162	Seq. ID	OJ990708_08.9922.C12
Gene No.	72615	Strand	-
Start	606	End	5742
Name	OJ990708_08.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	4342	End	5029
GI	none	Score	90
Exons	4342..4401, 4343..4402, 4344..4403, 4344..4403, 4405..4470, 4405..4482, 4406..4483, 4407..4487, 4746..4811, 4748..4819, 4748..4810, 4756..4839, 4806..4853, 4807..4857, 4814..4861, 4814..4861, 4935..5009, 4935..5006, 5006..5029		

Seq. No.	35163	Seq. ID	OJ990708_08.9922.C13

Gene No.	72616	Strand	+
Start	87	End	4980
Name	OJ990708_08.9922.C13.o1.gs	Method	GENSCAN
Start	87	End	4980
GI	none	Score	.7
Exons	87..199, 2394..2422, 3024..3122, 3930..4096, 4759..4980		

Seq. No.	35163	Seq. ID	OJ990708_08.9922.C13
Gene No.	72617	Strand	+
Start	5283	End	9373
Name	OJ990708_08.9922.C13.o2.gs	Method	GENSCAN
Start	5283	End	9373
GI	none	Score	.58
Exons	5283..5744, 5759..5859, 5933..6327, 6706..7149, 7250..7303, 7451..7669, 7880..7994, 8025..8232, 8244..8347, 8408..8502, 8751..9373		

Seq. No.	35163	Seq. ID	OJ990708_08.9922.C13
Gene No.	72618	Strand	+
Start	10292	End	11967
Name	OJ990708_08.9922.C13.o3.gs	Method	GENSCAN
Start	10292	End	11967
GI	none	Score	.74
Exons	10292..10379, 10888..11066, 11103..11153, 11677..11967		

Seq. No.	35163	Seq. ID	OJ990708_08.9922.C13
Gene No.	72619	Strand	-
Start	12979	End	13092
Name	OJ990708_08.9922.C13.o4.gs	Method	GENSCAN
Start	12979	End	13092
GI	none	Score	.49
Exons	12979..13092		

Seq. No.	35164	Seq. ID	OJ990708_08.9922.C14
Gene No.	72620	Strand	+
Start	104	End	5275
Name	OJ990708_08.9922.C14.o1.gs	Method	GENSCAN
Start	104	End	5275
GI	none	Score	.46
Exons	104..314, 2953..3085, 3653..3682, 3985..4056, 4533..4641, 5143..5275		

Seq. No.	35164	Seq. ID	OJ990708_08.9922.C14
Gene No.	72621	Strand	-
Start	1	End	697
Name	OJ990708_08.9922.C14.o1.np	Method	AAT/NAP
Start	1	End	697
GI	4680199	Score	147
Exons	1..176, 463..697		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	35164	Seq. ID	OJ990708_08.9922.C14
Gene No.	72622	Strand	-
Start	4425	End	4913
Name	OJ990708_08.9922.C14.o1.gp	Method	AAT/GAP
Start	4425	End	4913
GI	none	Score	966

Exons	4425..4913		
Seq. No.	35165	Seq. ID	OJ990708_08.9922.C15
Gene No.	72623	Strand	+
Start	868	End	938
Name	OJ990708_08.9922.C15.o1.gp	Method	AAT/GAP
Start	868	End	938
GI	uC-osflcyp158c04a1	Score	84
Exons	868..938		
GI Descrip.	'4581164/gb\|AAD24647.1\|AC006220_3 2.0e-17 (AC006220) putative polyprotein [Arabidopsis thaliana]'		
Seq. No.	35165	Seq. ID	OJ990708_08.9922.C15
Gene No.	72624	Strand	+
Start	2353	End	2739
Name	OJ990708_08.9922.C15.o1.gs	Method	GENSCAN
Start	2353	End	2739
GI	none	Score	.95
Exons	2353..2739		
Seq. No.	35165	Seq. ID	OJ990708_08.9922.C15
Gene No.	72625	Strand	-
Start	3718	End	5336
Name	OJ990708_08.9922.C15.o2.gs	Method	GENSCAN
Start	3718	End	4180
GI	none	Score	.59
Exons	3718..3777, 3830..4180		
Seq. No.	35165	Seq. ID	OJ990708_08.9922.C15
Gene No.	72625	Strand	-
Start	3718	End	5336
Name	OJ990708_08.9922.C15.o1.np	Method	AAT/NAP
Start	3755	End	5336
GI	5257262	Score	156
Exons	3755..3837, 3979..4249, 5310..5336		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		
Seq. No.	35165	Seq. ID	OJ990708_08.9922.C15
Gene No.	72625	Strand	-
Start	3718	End	5336
Name	OJ990708_08.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	3866	End	4165
GI	none	Score	64
Exons	3866..3952, 3867..3974, 3954..4088, 3968..4123, 4127..4165		
Seq. No.	35165	Seq. ID	OJ990708_08.9922.C15
Gene No.	72625	Strand	-
Start	3718	End	5336
Name	OJ990708_08.9922.C15.o1.tw	Method	TBLASTX:Wheat
Start	3963	End	4264
GI	none	Score	108
Exons	3963..4088, 3968..4252, 3981..4253, 4146..4232, 4175..4264		
Seq. No.	35166	Seq. ID	OJ990708_08.9922.C16
Gene No.	72626	Strand	-
Start	973	End	6907
Name	OJ990708_08.9922.C16.o1.gs	Method	GENSCAN

Start	973	End	6907
GI	none	Score	.45
Exons	973..1196, 1506..1575, 1828..1869, 4159..4338, 6770..6907		

Seq. No.	35166	Seq. ID	OJ990708_08.9922.C16
Gene No.	72626	Strand	-
Start	973	End	6907
Name	OJ990708_08.9922.C16.o1.gp	Method	AAT/GAP
Start	1149	End	2195
GI	2428514	Score	787
Exons	1149..1196, 1828..2195		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72627	Strand	+
Start	497	End	7462
Name	OJ990708_08.9922.C17.o1.gs	Method	GENSCAN
Start	497	End	7462
GI	none	Score	.45
Exons	497..716, 2246..2555, 3087..3112, 3374..3989, 4141..4360, 4454..4605, 4906..5043, 5056..5172, 5349..5423, 5583..5840, 5929..6339, 7242..7462		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72628	Strand	+
Start	12942	End	18549
Name	OJ990708_08.9922.C17.o3.np	Method	AAT/NAP
Start	12942	End	14717
GI	629693	Score	523
Exons	12942..14057, 14673..14717		
GI Descrip.	probable integrase - common tobacco (fragment) gi\|530742\|emb\|CAA56791\| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72628	Strand	+
Start	12942	End	18549
Name	OJ990708_08.9922.C17.o3.gs	Method	GENSCAN
Start	13204	End	18549
GI	none	Score	.41
Exons	13204..13918, 14588..14705, 18396..18549		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72629	Strand	-
Start	1	End	18611
Name	OJ990708_08.9922.C17.o5.np	Method	AAT/NAP
Start	1	End	18611
GI	5852175	Score	148
Exons	1..47, 10668..10819, 11364..11428, 16672..16705, 17325..17420, 17991..18047, 18544..18611		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72629	Strand	-
Start	1	End	18611
Name	OJ990708_08.9922.C17.o1.tw	Method	TBLASTX:Wheat
Start	4542	End	4951
GI	none	Score	582
Exons	4542..4949, 4550..4951, 4557..4898, 4559..4912, 4660..4950		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72629	Strand	-
Start	1	End	18611
Name	OJ990708_08.9922.C17.o2.tm	Method	TBLASTX:Maize
Start	4602	End	4817
GI	none	Score	307
Exons	4602..4817, 4604..4816, 4605..4817		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72629	Strand	-
Start	1	End	18611
Name	OJ990708_08.9922.C17.o1.tm	Method	TBLASTX:Maize
Start	4818	End	5276
GI	none	Score	561
Exons	4818..5276, 4823..4912, 4967..5275		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72629	Strand	-
Start	1	End	18611
Name	OJ990708_08.9922.C17.o2.ts	Method	TBLASTX:Soybean
Start	4965	End	5433
GI	none	Score	189
Exons	4965..5246, 5000..5257, 5246..5431, 5287..5433		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72629	Strand	-
Start	1	End	18611
Name	OJ990708_08.9922.C17.o3.ts	Method	TBLASTX:Soybean
Start	5993	End	16087
GI	none	Score	213
Exons	5993..6205, 5994..6299, 6420..6530, 15950..16087, 15956..16087		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72629	Strand	-
Start	1	End	18611
Name	OJ990708_08.9922.C17.o3.tm	Method	TBLASTX:Maize
Start	6017	End	6293
GI	none	Score	209
Exons	6017..6190, 6018..6293		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72629	Strand	-
Start	1	End	18611
Name	OJ990708_08.9922.C17.o1.ts	Method	TBLASTX:Soybean
Start	7759	End	8176
GI	none	Score	128
Exons	7759..7884, 7760..7870, 7760..7897, 7934..8176, 7945..8019, 8074..8172		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72629	Strand	-
Start	1	End	18611
Name	OJ990708_08.9922.C17.o4.tw	Method	TBLASTX:Wheat
Start	7805	End	8239
GI	none	Score	60
Exons	7805..7870, 7948..8022, 7949..8239, 8074..8154		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72629	Strand	-
Start	1	End	18611
Name	OJ990708_08.9922.C17.o2.gs	Method	GENSCAN
Start	8382	End	12414
GI	none	Score	.51
Exons	8382..8506, 8918..9118, 9449..9539, 10110..10253, 10370..10462, 11198..11348, 11777..11858, 12165..12414		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72629	Strand	-
Start	1	End	18611
Name	OJ990708_08.9922.C17.o2.np	Method	AAT/NAP
Start	8385	End	12414
GI	6815052	Score	829
Exons	8385..8507, 8787..8856, 8938..9370, 9419..9499, 10315..10462, 11330..11428, 11738..11890, 12139..12187, 12269..12414		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72629	Strand	-
Start	1	End	18611
Name	OJ990708_08.9922.C17.o4.np	Method	AAT/NAP
Start	12518	End	16519
GI	4467124	Score	285
Exons	12518..12552, 15478..15615, 15947..16519		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72629	Strand	-
Start	1	End	18611
Name	OJ990708_08.9922.C17.o5.ts	Method	TBLASTX:Soybean
Start	13162	End	13473
GI	none	Score	191
Exons	13162..13473, 13179..13373		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72629	Strand	-
Start	1	End	18611
Name	OJ990708_08.9922.C17.o3.tw	Method	TBLASTX:Wheat
Start	13233	End	13644
GI	none	Score	179
Exons	13233..13409, 13234..13644		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72629	Strand	-
Start	1	End	18611
Name	OJ990708_08.9922.C17.o4.ts	Method	TBLASTX:Soybean
Start	13816	End	14060
GI	none	Score	191
Exons	13816..13983, 13830..13946, 13986..14060		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72629	Strand	-
Start	1	End	18611
Name	OJ990708_08.9922.C17.o2.tw	Method	TBLASTX:Wheat

Start	15980	End	16300
GI	none	Score	151
Exons	15980..16255, 15980..16300		

Seq. No.	35167	Seq. ID	OJ990708_08.9922.C17
Gene No.	72629	Strand	-
Start	1	End	18611
Name	OJ990708_08.9922.C17.o1.gp	Method	AAT/GAP
Start	16537	End	18611
GI	61605_1.R1084	Score	628
Exons	16537..16809, 17942..18022, 18536..18611		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	35168	Seq. ID	OJ990708_08.9922.C18
Gene No.	72630	Strand	+
Start	105	End	640
Name	OJ990708_08.9922.C18.o1.gs	Method	GENSCAN
Start	105	End	640
GI	none	Score	.48
Exons	105..640		

Seq. No.	35168	Seq. ID	OJ990708_08.9922.C18
Gene No.	72631	Strand	-
Start	1057	End	1701
Name	OJ990708_08.9922.C18.o2.gs	Method	GENSCAN
Start	1057	End	1701
GI	none	Score	.53
Exons	1057..1701		

Seq. No.	35168	Seq. ID	OJ990708_08.9922.C18
Gene No.	72632	Strand	-
Start	2269	End	3182
Name	OJ990708_08.9922.C18.o3.gs	Method	GENSCAN
Start	2269	End	3182
GI	none	Score	.72
Exons	2269..2595, 2647..2928, 3060..3182		

Seq. No.	35169	Seq. ID	OJ990708_08.9922.C19
Gene No.	72633	Strand	+
Start	221	End	3207
Name	OJ990708_08.9922.C19.o1.gs	Method	GENSCAN
Start	221	End	2088
GI	none	Score	.71
Exons	221..635, 672..2088		

Seq. No.	35169	Seq. ID	OJ990708_08.9922.C19
Gene No.	72633	Strand	+
Start	221	End	3207
Name	OJ990708_08.9922.C19.o1.np	Method	AAT/NAP
Start	257	End	1992
GI	3645898	Score	600
Exons	257..1188, 1219..1692, 1778..1992		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	35169	Seq. ID	OJ990708_08.9922.C19

Gene No.	72633	Strand	+
Start	221	End	3207
Name	OJ990708_08.9922.C19.o2.np	Method	AAT/NAP
Start	1253	End	3207
GI	4680186	Score	229
Exons	1253..1306, 2998..3207		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35169	Seq. ID	OJ990708_08.9922.C19
Gene No.	72634	Strand	-
Start	2281	End	3135
Name	OJ990708_08.9922.C19.o1.tw	Method	TBLASTX:Wheat
Start	286	End	714
GI	none	Score	259
Exons	286..714, 319..414, 321..419		

Seq. No.	35169	Seq. ID	OJ990708_08.9922.C19
Gene No.	72634	Strand	-
Start	2281	End	3135
Name	OJ990708_08.9922.C19.o1.ts	Method	TBLASTX:Soybean
Start	316	End	762
GI	none	Score	73
Exons	316..423, 427..762		

Seq. No.	35169	Seq. ID	OJ990708_08.9922.C19
Gene No.	72634	Strand	-
Start	2281	End	3135
Name	OJ990708_08.9922.C19.o1.tm	Method	TBLASTX:Maize
Start	472	End	873
GI	none	Score	213
Exons	472..873, 613..723		

Seq. No.	35169	Seq. ID	OJ990708_08.9922.C19
Gene No.	72634	Strand	-
Start	2281	End	3135
Name	OJ990708_08.9922.C19.o2.gs	Method	GENSCAN
Start	2281	End	3030
GI	none	Score	.52
Exons	2281..2309, 2880..3030		

Seq. No.	35169	Seq. ID	OJ990708_08.9922.C19
Gene No.	72634	Strand	-
Start	2281	End	3135
Name	OJ990708_08.9922.C19.o1.gp	Method	AAT/GAP
Start	2752	End	3135
GI	uC-osf1cyp033a04b1	Score	669
Exons	2752..3135		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35170	Seq. ID	OJ990708_08.9922.C20
Gene No.	72635	Strand	-
Start	1	End	1258
Name	OJ990708_08.9922.C20.o1.np	Method	AAT/NAP
Start	1	End	1258
GI	4680199	Score	81
Exons	1..70, 1129..1258		

GI Descrip. (AF114171) hypothetical protein [Sorghum bicolor]

Seq. No.	35170	Seq. ID	OJ990708_08.9922.C20
Gene No.	72635	Strand	-
Start	1	End	1258
Name	OJ990708_08.9922.C20.o1.gs	Method	GENSCAN
Start	44	End	1083
GI	none	Score	.73
Exons	44..248, 484..1083		

Seq. No.	35171	Seq. ID	OJ990708_06.9919.C1
Gene No.	72636	Strand	-
Start	1	End	838
Name	OJ990708_06.9919.C1.o1.np	Method	AAT/NAP
Start	1	End	838
GI	119110	Score	116
Exons	1..42, 360..838		

GI Descrip. EBNA-1 NUCLEAR PROTEIN gi|73987|pir||QQBE31 probable nuclear antigen - human herpesvirus 4 (strain B95-8) gi|1334880|emb|CAA24816.1| (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]

Seq. No.	35171	Seq. ID	OJ990708_06.9919.C1
Gene No.	72636	Strand	-
Start	1	End	838
Name	OJ990708_06.9919.C1.o1.gs	Method	GENSCAN
Start	466	End	551
GI	none	Score	.88
Exons	466..551		

Seq. No.	35172	Seq. ID	OJ990708_06.9919.C2
Gene No.	72637	Strand	+
Start	1	End	11116
Name	OJ990708_06.9919.C2.o4.np	Method	AAT/NAP
Start	1	End	11116
GI	4680183	Score	181
Exons	1..257, 10347..10417, 11027..11116		

GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No.	35172	Seq. ID	OJ990708_06.9919.C2
Gene No.	72637	Strand	+
Start	1	End	11116
Name	OJ990708_06.9919.C2.o2.gs	Method	GENSCAN
Start	9196	End	9606
GI	none	Score	.43
Exons	9196..9606		

Seq. No.	35172	Seq. ID	OJ990708_06.9919.C2
Gene No.	72638	Strand	-
Start	1	End	10319
Name	OJ990708_06.9919.C2.o1.np	Method	AAT/NAP
Start	1	End	5229
GI	6056374	Score	691
Exons	1..597, 681..742, 881..925, 997..1062, 1159..1224, 1315..1386, 1573..1716, 1772..1878, 2377..2443, 2520..2596, 2707..2778, 4461..4562, 4606..4680, 4869..4940, 5020..5229		

GI Descrip. (AC009894) Similar to serine/threonine kinases [Arabidopsis

thaliana]

Seq. No.	35172	Seq. ID	OJ990708_06.9919.C2
Gene No.	72638	Strand	-
Start	1	End	10319
Name	OJ990708_06.9919.C2.o2.np	Method	AAT/NAP
Start	3605	End	10319
GI	5734705	Score	129
Exons	3605..3758, 5649..5961, 9161..9293, 10255..10319		
GI Descrip.	(AC008075) F24J5.4 [Arabidopsis thaliana] gi\|6524187\|gb\|AAF15072.1\|AC011914_14 (AC011914) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35172	Seq. ID	OJ990708_06.9919.C2
Gene No.	72639	Strand	-
Start	10690	End	11126
Name	OJ990708_06.9919.C2.o1.tm	Method	TBLASTX:Maize
Start	256	End	488
GI	none	Score	69
Exons	256..399, 256..387, 257..487, 258..488		

Seq. No.	35172	Seq. ID	OJ990708_06.9919.C2
Gene No.	72639	Strand	-
Start	10690	End	11126
Name	OJ990708_06.9919.C2.o2.tm	Method	TBLASTX:Maize
Start	491	End	750
GI	none	Score	57
Exons	491..592, 544..591, 671..748, 682..750		

Seq. No.	35172	Seq. ID	OJ990708_06.9919.C2
Gene No.	72639	Strand	-
Start	10690	End	11126
Name	OJ990708_06.9919.C2.o3.gs	Method	GENSCAN
Start	10690	End	11126
GI	none	Score	.8
Exons	10690..10870, 11062..11126		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72640	Strand	+
Start	1	End	5578
Name	OJ990708_06.9919.C3.o3.np	Method	AAT/NAP
Start	1	End	5578
GI	4680183	Score	178
Exons	1..124, 4822..4892, 5489..5578		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72641	Strand	+
Start	5707	End	19272
Name	OJ990708_06.9919.C3.o4.np	Method	AAT/NAP
Start	5707	End	15944
GI	6466937	Score	2063
Exons	5707..5772, 9135..12006, 14880..15944		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3

Gene No.	72641	Strand	+
Start	5707	End	19272
Name	OJ990708_06.9919.C3.o2.gs	Method	GENSCAN
Start	9075	End	19272
GI	none	Score	.46
Exons	9075..9841, 10040..10197, 10245..10615, 10931..11246, 12917..13158, 14053..14152, 15537..15711, 17788..17795, 18066..18269, 19064..19272		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72642	Strand	+
Start	27107	End	34558
Name	OJ990708_06.9919.C3.o4.gs	Method	GENSCAN
Start	27107	End	34558
GI	none	Score	.46
Exons	27107..27209, 27710..27832, 28076..28159, 28938..29493, 29524..29766, 30257..30290, 30624..30856, 30978..31181, 31926..32192, 33139..33276, 34486..34558		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72642	Strand	+
Start	27107	End	34558
Name	OJ990708_06.9919.C3.o4.gp	Method	AAT/GAP
Start	33304	End	33418
GI	LIB3477-003-P1-K1-E9	Score	120
Exons	33304..33418		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72643	Strand	+
Start	40191	End	40415
Name	OJ990708_06.9919.C3.o7.gs	Method	GENSCAN
Start	40191	End	40415
GI	none	Score	.92
Exons	40191..40415		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72644	Strand	+
Start	47966	End	52835
Name	OJ990708_06.9919.C3.o8.np	Method	AAT/NAP
Start	47966	End	52835
GI	4539660	Score	3103
Exons	47966..47985, 50021..52835		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72645	Strand	-
Start	286	End	8121
Name	OJ990708_06.9919.C3.o1.gs	Method	GENSCAN
Start	286	End	8121
GI	none	Score	.77
Exons	286..2387, 2481..3416, 3722..4154, 5938..6010, 6528..6627, 6672..6763, 6855..7097, 7383..7432, 7840..8004, 8059..8121		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3

Gene No.	72645	Strand	-
Start	286	End	8121
Name	OJ990708_06.9919.C3.o1.np	Method	AAT/NAP
Start	289	End	5854
GI	4680179	Score	6039
Exons	289..3943, 5797..5854		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72646	Strand	-
Start	8330	End	8897
Name	OJ990708_06.9919.C3.o1.gp	Method	AAT/GAP
Start	8330	End	8897
GI	4879016	Score	835
Exons	8330..8897		
GI Descrip.	6041757/gb\|AC011806.1\|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72647	Strand	-
Start	19953	End	22214
Name	OJ990708_06.9919.C3.o3.gs	Method	GENSCAN
Start	19953	End	22214
GI	none	Score	.57
Exons	19953..19990, 20714..20891, 21690..22214		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72648	Strand	-
Start	27891	End	29773
Name	OJ990708_06.9919.C3.o5.np	Method	AAT/NAP
Start	27891	End	29773
GI	6063554	Score	157
Exons	27891..28065, 29206..29432, 29545..29773		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72648	Strand	-
Start	27891	End	29773
Name	OJ990708_06.9919.C3.o3.gp	Method	AAT/GAP
Start	28051	End	28482
GI	2428185	Score	713
Exons	28051..28482		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72649	Strand	-
Start	35773	End	36042
Name	OJ990708_06.9919.C3.o5.gs	Method	GENSCAN
Start	35773	End	36042
GI	none	Score	.99
Exons	35773..36042		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3

Gene No.	72650	Strand	-
Start	36241	End	37513
Name	OJ990708_06.9919.C3.o6.gs	Method	GENSCAN
Start	36241	End	37513
GI	none	Score	.56
Exons	36241..36627, 37104..37316, 37424..37513		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o6.tw	Method	TBLASTX:Wheat
Start	299	End	31157
GI	none	Score	36
Exons	299..352, 334..666, 458..574, 559..639, 15465..15542, 31053..31157		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o6.tm	Method	TBLASTX:Maize
Start	331	End	15961
GI	none	Score	39
Exons	331..477, 15248..15265, 15306..15590, 15326..15388, 15425..15562, 15652..15720, 15729..15845, 15753..15836, 15899..15961, 15906..15956		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o1.tm	Method	TBLASTX:Maize
Start	514	End	52833
GI	none	Score	234
Exons	514..954, 539..952, 952..1110, 959..1105, 15044..15211, 15206..15244, 52624..52779, 52632..52778, 52783..52833, 52785..52832		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o1.tw	Method	TBLASTX:Wheat
Start	667	End	52835
GI	none	Score	361
Exons	667..1293, 668..1291, 14880..14984, 14996..15256, 42024..42443, 52444..52833, 52500..52835		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o5.ts	Method	TBLASTX:Soybean
Start	1090	End	42671
GI	none	Score	86
Exons	1090..1248, 42276..42671, 42376..42570		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o5.tm	Method	TBLASTX:Maize

Start	1162	End	52572
GI	none	Score	216
Exons	1162..1452, 1166..1453, 11836..11952, 52284..52487, 52284..52571, 52285..52572		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o3.ts	Method	TBLASTX:Soybean
Start	1252	End	52485
GI	none	Score	144
Exons	1252..1512, 1253..1507, 11797..11949, 11956..12003, 52230..52484, 52231..52485, 52282..52485		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o2.tw	Method	TBLASTX:Wheat
Start	1300	End	52437
GI	none	Score	224
Exons	1300..1827, 1301..1555, 1333..1746, 11653..11952, 11820..11954, 42567..42686, 51901..52437, 51945..52436		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o3.tm	Method	TBLASTX:Maize
Start	1855	End	51879
GI	none	Score	157
Exons	1855..2166, 1862..2059, 1867..2220, 1952..2218, 11135..11365, 43662..43895, 51516..51866, 51517..51870, 51517..51879		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o4.tw	Method	TBLASTX:Wheat
Start	1867	End	51870
GI	none	Score	238
Exons	1867..2214, 1867..2292, 1949..2284, 11074..11199, 11126..11374, 43659..43787, 51445..51870, 51483..51866, 51508..51870		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o7.ts	Method	TBLASTX:Soybean
Start	2041	End	51696
GI	none	Score	160
Exons	2041..2286, 11071..11220, 11126..11314, 43845..44033, 51451..51696, 51468..51695		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o5.tw	Method	TBLASTX:Wheat
Start	2293	End	51444
GI	none	Score	239
Exons	2293..2595, 2294..2575, 2493..2594, 10763..11074, 10792..11061,		

43950..44075, 44108..44347, 51142..51444, 51144..51428,
51145..51438

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o2.tm	Method	TBLASTX:Maize
Start	2299	End	51381
GI	none	Score	66
Exons	2299..2751, 2360..2539, 10604..10987, 44046..44501, 44060..44503, 50986..51381		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o1.ts	Method	TBLASTX:Soybean
Start	2307	End	51429
GI	none	Score	161
Exons	2307..2558, 2308..2667, 2309..2563, 2659..2703, 2671..2703, 10688..11047, 10792..11046, 44075..44401, 51034..51066, 51036..51065, 51070..51429, 51072..51107, 51138..51428		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o3.tw	Method	TBLASTX:Wheat
Start	2635	End	50967
GI	none	Score	135
Exons	2635..2757, 2770..2949, 10406..10582, 10412..10576, 44370..44762, 44370..44702, 44372..44779, 50788..50967, 50788..50949		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o4.tm	Method	TBLASTX:Maize
Start	2755	End	50967
GI	none	Score	90
Exons	2755..3159, 2828..2986, 10140..10211, 10207..10446, 10220..10603, 10220..10492, 10564..10599, 44525..44749, 50589..50660, 50716..50967, 50751..50909		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o6.ts	Method	TBLASTX:Soybean
Start	2815	End	50922
GI	none	Score	112
Exons	2815..2949, 10406..10540, 44573..44707, 44723..44941, 50788..50922		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o7.tw	Method	TBLASTX:Wheat
Start	3289	End	50442
GI	none	Score	103

Exons	3289..3471, 3290..3445, 3499..3705, 3557..3655, 9666..9749, 9861..9926, 50074..50283, 50130..50282, 50328..50441, 50329..50442		
Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o8.tm	Method	TBLASTX:Maize
Start	9390	End	10025
GI	none	Score	109
Exons	9390..9512, 9549..9848, 9930..10025		
Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o8.tw	Method	TBLASTX:Wheat
Start	10586	End	51141
GI	none	Score	151
Exons	10586..10753, 10618..10752, 50967..51131, 50971..51141		
Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o7.tm	Method	TBLASTX:Maize
Start	11376	End	11751
GI	none	Score	120
Exons	11376..11486, 11377..11514, 11506..11751, 11634..11750		
Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o9.tw	Method	TBLASTX:Wheat
Start	30356	End	31703
GI	none	Score	57
Exons	30356..30409, 30393..30443, 31449..31703, 31525..31689		
Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o10.tm	Method	TBLASTX:Maize
Start	31401	End	31667
GI	none	Score	75
Exons	31401..31667, 31504..31650		
Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o9.ts	Method	TBLASTX:Soybean
Start	31443	End	31667
GI	none	Score	75
Exons	31443..31667, 31504..31650		
Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o11.tw	Method	TBLASTX:Wheat
Start	35680	End	45731

GI	none	Score	68
Exons	35680..35883, 35684..35788, 35716..35871, 35911..36036, 45597..45731		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o10.tw	Method	TBLASTX:Wheat
Start	36903	End	37244
GI	none	Score	74
Exons	36903..37244, 36922..37194		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o12.tm	Method	TBLASTX:Maize
Start	41676	End	41915
GI	none	Score	89
Exons	41676..41786, 41784..41852, 41838..41915		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o4.ts	Method	TBLASTX:Soybean
Start	41688	End	41933
GI	none	Score	98
Exons	41688..41933, 41803..41889, 41868..41921		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o6.np	Method	AAT/NAP
Start	41694	End	45066
GI	4544372	Score	1352
Exons	41694..43522, 43643..43970, 44031..45066		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o11.tm	Method	TBLASTX:Maize
Start	42525	End	42803
GI	none	Score	187
Exons	42525..42803		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o12.tw	Method	TBLASTX:Wheat
Start	43185	End	43560
GI	none	Score	50
Exons	43185..43547, 43312..43422, 43474..43560		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835

Name	OJ990708_06.9919.C3.o2.ts	Method	TBLASTX:Soybean
Start	43320	End	43737
GI	none	Score	82
Exons	43320..43562, 43321..43437, 43477..43560, 43593..43736, 43599..43736, 43603..43737, 43603..43737		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o8.ts	Method	TBLASTX:Soybean
Start	45423	End	45785
GI	none	Score	196
Exons	45423..45785		

Seq. No.	35173	Seq. ID	OJ990708_06.9919.C3
Gene No.	72651	Strand	-
Start	41694	End	52835
Name	OJ990708_06.9919.C3.o9.tm	Method	TBLASTX:Maize
Start	46998	End	47276
GI	none	Score	54
Exons	46998..47126, 47005..47100, 47151..47276, 47152..47265		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72652	Strand	+
Start	59	End	10055
Name	OJ990708_06.9919.C4.o1.gs	Method	GENSCAN
Start	59	End	10055
GI	none	Score	.48
Exons	59..71, 402..458, 2194..2337, 2804..3299, 3415..4664, 5463..5550, 6067..6189, 6222..6876, 7417..7498, 9246..9310, 9441..10055		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72652	Strand	+
Start	59	End	10055
Name	OJ990708_06.9919.C4.o1.gp	Method	AAT/GAP
Start	916	End	1297
GI	uC-osflcyp033a04b1	Score	631
Exons	916..1297		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72652	Strand	+
Start	59	End	10055
Name	OJ990708_06.9919.C4.o2.gp	Method	AAT/GAP
Start	7974	End	8355
GI	uC-osflcyp033a04b1	Score	663
Exons	7974..8355		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72653	Strand	+
Start	10304	End	14814
Name	OJ990708_06.9919.C4.o3.np	Method	AAT/NAP
Start	10301	End	14811

GI	4680179	Score	5179
Exons	10301..11392, 11426..14811		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72653	Strand	+
Start	10304	End	14814
Name	OJ990708_06.9919.C4.o2.gs	Method	GENSCAN
Start	10304	End	14814
GI	none	Score	.8
Exons	10304..11504, 11787..12096, 12187..12565, 12769..14274, 14320..14814		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72654	Strand	-
Start	849	End	1923
Name	OJ990708_06.9919.C4.o1.np	Method	AAT/NAP
Start	849	End	1923
GI	4680186	Score	369
Exons	849..1049, 1870..1923		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72655	Strand	
Start	2917	End	3255
Name	OJ990708_06.9919.C4.o4.ts	Method	TBLASTX:Soybean
Start	2917	End	3255
GI	none	Score	188
Exons	2917..3255		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72656	Strand	
Start	3827	End	13233
Name	OJ990708_06.9919.C4.o4.tw	Method	TBLASTX:Wheat
Start	3827	End	12496
GI	none	Score	81
Exons	3827..3883, 3832..3873, 3878..4231, 3886..4188, 3887..4231, 12167..12346, 12359..12496		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72656	Strand	
Start	3827	End	13233
Name	OJ990708_06.9919.C4.o5.tm	Method	TBLASTX:Maize
Start	3881	End	12346
GI	none	Score	286
Exons	3881..4099, 3881..4081, 3886..4098, 12167..12346		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72656	Strand	
Start	3827	End	13233
Name	OJ990708_06.9919.C4.o2.tm	Method	TBLASTX:Maize
Start	4100	End	12744
GI	none	Score	527
Exons	4100..4561, 4100..4405, 4249..4560, 12365..12496, 12367..12510, 12498..12635, 12499..12744		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4

Gene No.	72656	Strand	
Start	3827	End	13233
Name	OJ990708_06.9919.C4.o1.ts	Method	TBLASTX:Soybean
Start	4196	End	12792
GI	none	Score	179
Exons	4196..4528, 12413..12445, 12415..12444, 12449..12502, 12450..12485, 12507..12791, 12508..12792		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72656	Strand	
Start	3827	End	13233
Name	OJ990708_06.9919.C4.o6.tw	Method	TBLASTX:Wheat
Start	4256	End	12807
GI	none	Score	124
Exons	4256..4528, 4529..4633, 12506..12622, 12507..12791, 12508..12807		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72656	Strand	
Start	3827	End	13233
Name	OJ990708_06.9919.C4.o3.tm	Method	TBLASTX:Maize
Start	4698	End	13233
GI	none	Score	103
Exons	4698..4943, 12878..13015, 12879..13229, 12880..13233		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72656	Strand	
Start	3827	End	13233
Name	OJ990708_06.9919.C4.o3.tw	Method	TBLASTX:Wheat
Start	4818	End	13230
GI	none	Score	70
Exons	4818..4946, 12808..13230, 12840..13229		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72656	Strand	
Start	3827	End	13233
Name	OJ990708_06.9919.C4.o9.tw	Method	TBLASTX:Wheat
Start	10505	End	10741
GI	none	Score	206
Exons	10505..10543, 10550..10741, 10552..10740		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72656	Strand	
Start	3827	End	13233
Name	OJ990708_06.9919.C4.o7.tw	Method	TBLASTX:Wheat
Start	10783	End	11134
GI	none	Score	277
Exons	10783..10977, 10784..11134		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72656	Strand	
Start	3827	End	13233
Name	OJ990708_06.9919.C4.o6.tm	Method	TBLASTX:Maize
Start	10784	End	11089
GI	none	Score	226
Exons	10784..11089, 10798..10914		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4

Gene No.	72656	Strand	
Start	3827	End	13233
Name	OJ990708_06.9919.C4.o8.tw	Method	TBLASTX:Wheat
Start	11453	End	11821
GI	none	Score	164
Exons	11453..11662, 11509..11661, 11707..11820, 11708..11821		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72656	Strand	
Start	3827	End	13233
Name	OJ990708_06.9919.C4.o3.ts	Method	TBLASTX:Soybean
Start	12814	End	13059
GI	none	Score	206
Exons	12814..13059, 12831..13058		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72657	Strand	
Start	13233	End	14787
Name	OJ990708_06.9919.C4.o2.tw	Method	TBLASTX:Wheat
Start	13233	End	13800
GI	none	Score	639
Exons	13233..13799, 13264..13800		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72657	Strand	
Start	13233	End	14787
Name	OJ990708_06.9919.C4.o2.ts	Method	TBLASTX:Soybean
Start	13593	End	13848
GI	none	Score	285
Exons	13593..13847, 13594..13848, 13645..13848		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72657	Strand	
Start	13233	End	14787
Name	OJ990708_06.9919.C4.o4.tm	Method	TBLASTX:Maize
Start	13646	End	13938
GI	none	Score	85
Exons	13646..13795, 13647..13934, 13648..13938		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72657	Strand	
Start	13233	End	14787
Name	OJ990708_06.9919.C4.o1.tw	Method	TBLASTX:Wheat
Start	13807	End	14433
GI	none	Score	675
Exons	13807..14433, 13863..14327, 14212..14430		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72657	Strand	
Start	13233	End	14787
Name	OJ990708_06.9919.C4.o1.tm	Method	TBLASTX:Maize
Start	13987	End	14586
GI	none	Score	235
Exons	13987..14148, 13995..14141, 14146..14586, 14148..14330, 14308..14571		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4

Gene No.	72657	Strand	
Start	13233	End	14787
Name	OJ990708_06.9919.C4.o5.tw	Method	TBLASTX:Wheat
Start	14433	End	14766
GI	none	Score	369
Exons	14433..14702, 14434..14766, 14437..14745		

Seq. No.	35174	Seq. ID	OJ990708_06.9919.C4
Gene No.	72657	Strand	
Start	13233	End	14787
Name	OJ990708_06.9919.C4.o7.tm	Method	TBLASTX:Maize
Start	14590	End	14787
GI	none	Score	183
Exons	14590..14787		

Seq. No.	35175	Seq. ID	OJ990708_06.9919.C5
Gene No.	72658	Strand	+
Start	1650	End	7436
Name	OJ990708_06.9919.C5.o1.gs	Method	GENSCAN
Start	1650	End	6369
GI	none	Score	.52
Exons	1650..1702, 2416..2482, 2786..3074, 3328..3970, 4247..4523, 4599..4673, 4744..4854, 4933..5236, 5324..5559, 5788..6369		

Seq. No.	35175	Seq. ID	OJ990708_06.9919.C5
Gene No.	72658	Strand	+
Start	1650	End	7436
Name	OJ990708_06.9919.C5.o2.np	Method	AAT/NAP
Start	5690	End	7436
GI	629693	Score	506
Exons	5690..5752, 6335..7436		
GI Descrip.	probable integrase - common tobacco (fragment) gi\|530742\|emb\|CAA56791\| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	35175	Seq. ID	OJ990708_06.9919.C5
Gene No.	72659	Strand	+
Start	13671	End	15458
Name	OJ990708_06.9919.C5.o3.gs	Method	GENSCAN
Start	13671	End	15458
GI	none	Score	.6
Exons	13671..14375, 14388..14627, 14895..15458		

Seq. No.	35175	Seq. ID	OJ990708_06.9919.C5
Gene No.	72660	Strand	+
Start	15700	End	20052
Name	OJ990708_06.9919.C5.o4.gs	Method	GENSCAN
Start	15700	End	19079
GI	none	Score	.79
Exons	15700..15705, 15747..16523, 16579..17052, 17070..17420, 18087..18437, 18439..18589, 18874..19079		

Seq. No.	35175	Seq. ID	OJ990708_06.9919.C5
Gene No.	72660	Strand	+
Start	15700	End	20052
Name	OJ990708_06.9919.C5.o3.np	Method	AAT/NAP
Start	16200	End	20052
GI	4544372	Score	737

Exons	16200..16353, 16655..17713, 17774..18177, 18232..18414, 19930..20052		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	35175	Seq. ID	OJ990708_06.9919.C5
Gene No.	72661	Strand	-
Start	7759	End	11222
Name	OJ990708_06.9919.C5.o2.gs	Method	GENSCAN
Start	7759	End	11222
GI	none	Score	.59
Exons	7759..8442, 8521..8604, 8702..8776, 8826..9251, 9330..10079, 10228..10549, 10571..10756, 10882..11222		

Seq. No.	35175	Seq. ID	OJ990708_06.9919.C5
Gene No.	72662	Strand	-
Start	19598	End	19953
Name	OJ990708_06.9919.C5.o2.ts	Method	TBLASTX:Soybean
Start	5736	End	18379
GI	none	Score	117
Exons	5736..5954, 5800..5952, 18020..18091, 18022..18087, 18125..18379, 18126..18377		

Seq. No.	35175	Seq. ID	OJ990708_06.9919.C5
Gene No.	72662	Strand	-
Start	19598	End	19953
Name	OJ990708_06.9919.C5.o4.ts	Method	TBLASTX:Soybean
Start	6336	End	6602
GI	none	Score	212
Exons	6336..6602, 6509..6601		

Seq. No.	35175	Seq. ID	OJ990708_06.9919.C5
Gene No.	72662	Strand	-
Start	19598	End	19953
Name	OJ990708_06.9919.C5.o3.tm	Method	TBLASTX:Maize
Start	6402	End	18606
GI	none	Score	86
Exons	6402..6560, 6558..6782, 18406..18606		

Seq. No.	35175	Seq. ID	OJ990708_06.9919.C5
Gene No.	72662	Strand	-
Start	19598	End	19953
Name	OJ990708_06.9919.C5.o3.tw	Method	TBLASTX:Wheat
Start	6561	End	18749
GI	none	Score	181
Exons	6561..6926, 18409..18576, 18618..18749		

Seq. No.	35175	Seq. ID	OJ990708_06.9919.C5
Gene No.	72662	Strand	-
Start	19598	End	19953
Name	OJ990708_06.9919.C5.o2.tw	Method	TBLASTX:Wheat
Start	6963	End	19193
GI	none	Score	206
Exons	6963..7370, 7103..7336, 18786..19193, 18935..19159		

Seq. No.	35175	Seq. ID	OJ990708_06.9919.C5
Gene No.	72662	Strand	-

Start	19598	End	19953
Name	OJ990708_06.9919.C5.o3.ts	Method	TBLASTX:Soybean
Start	7146	End	19219
GI	none	Score	225
Exons	7146..7391, 7146..7313, 7160..7327, 7358..7396, 12986..13087, 18969..19214, 18971..19102, 19181..19219		

Seq. No.	35175	Seq. ID	OJ990708_06.9919.C5
Gene No.	72662	Strand	-
Start	19598	End	19953
Name	OJ990708_06.9919.C5.o5.ts	Method	TBLASTX:Soybean
Start	16116	End	16409
GI	none	Score	187
Exons	16116..16409		

Seq. No.	35175	Seq. ID	OJ990708_06.9919.C5
Gene No.	72662	Strand	-
Start	19598	End	19953
Name	OJ990708_06.9919.C5.o2.tm	Method	TBLASTX:Maize
Start	16843	End	17109
GI	none	Score	191
Exons	16843..17109		

Seq. No.	35175	Seq. ID	OJ990708_06.9919.C5
Gene No.	72662	Strand	-
Start	19598	End	19953
Name	OJ990708_06.9919.C5.o1.tw	Method	TBLASTX:Wheat
Start	16980	End	17384
GI	none	Score	43
Exons	16980..17033, 16981..17037, 16981..17037, 17032..17109, 17040..17150, 17064..17384, 17087..17317, 17088..17384		

Seq. No.	35175	Seq. ID	OJ990708_06.9919.C5
Gene No.	72662	Strand	-
Start	19598	End	19953
Name	OJ990708_06.9919.C5.o1.tm	Method	TBLASTX:Maize
Start	17253	End	17713
GI	none	Score	379
Exons	17253..17576, 17253..17558, 17402..17611, 17587..17712, 17588..17713		

Seq. No.	35175	Seq. ID	OJ990708_06.9919.C5
Gene No.	72662	Strand	-
Start	19598	End	19953
Name	OJ990708_06.9919.C5.o1.ts	Method	TBLASTX:Soybean
Start	17400	End	17869
GI	none	Score	151
Exons	17400..17576, 17438..17575, 17588..17680, 17681..17869, 17725..17856		

Seq. No.	35175	Seq. ID	OJ990708_06.9919.C5
Gene No.	72662	Strand	-
Start	19598	End	19953
Name	OJ990708_06.9919.C5.o5.gs	Method	GENSCAN
Start	19598	End	19953
GI	none	Score	.54
Exons	19598..19953		

Seq. No.	35176	Seq. ID	OJ990708_06.9919.C6
Gene No.	72663	Strand	+
Start	311	End	446
Name	OJ990708_06.9919.C6.o1.gp	Method	AAT/GAP
Start	311	End	446
GI	71813_1.R1084	Score	241
Exons	311..446		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35176	Seq. ID	OJ990708_06.9919.C6
Gene No.	72664	Strand	+
Start	350	End	433
Name	OJ990708_06.9919.C6.o1.gs	Method	GENSCAN
Start	350	End	433
GI	none	Score	.91
Exons	350..433		

Seq. No.	35177	Seq. ID	OJ990708_06.9919.C8
Gene No.	72665	Strand	+
Start	1	End	298
Name	OJ990708_06.9919.C8.o1.np	Method	AAT/NAP
Start	1	End	298
GI	4680186	Score	306
Exons	1..24, 79..298		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35177	Seq. ID	OJ990708_06.9919.C8
Gene No.	72666	Strand	+
Start	647	End	849
Name	OJ990708_06.9919.C8.o1.gs	Method	GENSCAN
Start	647	End	849
GI	none	Score	.62
Exons	647..849		

Seq. No.	35177	Seq. ID	OJ990708_06.9919.C8
Gene No.	72667	Strand	-
Start	1	End	231
Name	OJ990708_06.9919.C8.o1.gp	Method	AAT/GAP
Start	1	End	231
GI	uC-osflcyp033a04b1	Score	342
Exons	1..231		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35178	Seq. ID	OJ990708_06.9919.C11
Gene No.	72668	Strand	+
Start	790	End	949
Name	OJ990708_06.9919.C11.o1.gs	Method	GENSCAN
Start	790	End	949
GI	none	Score	.49
Exons	790..949		

Seq. No.	35179	Seq. ID	OJ990708_06.9919.C12
Gene No.	72669	Strand	-
Start	75	End	430

Name	OJ990708_06.9919.C12.o1.gs	Method	GENSCAN
Start	75	End	430
GI	none	Score	.6
Exons	75..430		

Seq. No.	35180	Seq. ID	OJ990708_02.9919.C1
Gene No.	72670	Strand	-
Start	4368	End	5455
Name	OJ990708_02.9919.C1.o2.gs	Method	GENSCAN
Start	4368	End	5455
GI	none	Score	.69
Exons	4368..4399, 4672..5121, 5204..5455		

Seq. No.	35180	Seq. ID	OJ990708_02.9919.C1
Gene No.	72671	Strand	-
Start	6732	End	7108
Name	OJ990708_02.9919.C1.o2.gp	Method	AAT/GAP
Start	6732	End	7108
GI	none	Score	641
Exons	6732..7108		

Seq. No.	35181	Seq. ID	OJ990708_02.9919.C2
Gene No.	72672	Strand	+
Start	163	End	2183
Name	OJ990708_02.9919.C2.o1.gs	Method	GENSCAN
Start	163	End	2183
GI	none	Score	.69
Exons	163..258, 1733..1787, 2143..2183		

Seq. No.	35181	Seq. ID	OJ990708_02.9919.C2
Gene No.	72673	Strand	-
Start	2787	End	2900
Name	OJ990708_02.9919.C2.o2.gs	Method	GENSCAN
Start	2787	End	2900
GI	none	Score	.56
Exons	2787..2900		

Seq. No.	35182	Seq. ID	OJ990708_02.9919.C4
Gene No.	72674	Strand	+
Start	1390	End	3307
Name	OJ990708_02.9919.C4.o1.gs	Method	GENSCAN
Start	1390	End	2617
GI	none	Score	.41
Exons	1390..1701, 1736..2005, 2501..2617		

Seq. No.	35182	Seq. ID	OJ990708_02.9919.C4
Gene No.	72674	Strand	+
Start	1390	End	3307
Name	OJ990708_02.9919.C4.o1.np	Method	AAT/NAP
Start	1700	End	2595
GI	5852178	Score	388
Exons	1700..2005, 2037..2133, 2493..2595		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	35182	Seq. ID	OJ990708_02.9919.C4
Gene No.	72674	Strand	+
Start	1390	End	3307

Name	OJ990708_02.9919.C4.o2.np	Method	AAT/NAP
Start	1776	End	3307
GI	6063554	Score	141
Exons	1776..2002, 3130..3307		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35182	Seq. ID	OJ990708_02.9919.C4
Gene No.	72675	Strand	-
Start	4015	End	4701
Name	OJ990708_02.9919.C4.o2.gs	Method	GENSCAN
Start	4015	End	4701
GI	none	Score	.66
Exons	4015..4122, 4636..4701		

Seq. No.	35183	Seq. ID	OJ990708_02.9919.C6
Gene No.	72676	Strand	+
Start	1	End	472
Name	OJ990708_02.9919.C6.o1.np	Method	AAT/NAP
Start	1	End	472
GI	5042447	Score	535
Exons	1..472		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	35183	Seq. ID	OJ990708_02.9919.C6
Gene No.	72676	Strand	+
Start	1	End	472
Name	OJ990708_02.9919.C6.o1.tw	Method	TBLASTX:Wheat
Start	209	End	472
GI	none	Score	273
Exons	209..472, 213..470		

Seq. No.	35183	Seq. ID	OJ990708_02.9919.C6
Gene No.	72676	Strand	+
Start	1	End	472
Name	OJ990708_02.9919.C6.o1.tm	Method	TBLASTX:Maize
Start	222	End	472
GI	none	Score	269
Exons	222..470, 329..472		

Seq. No.	35184	Seq. ID	OJ990708_02.9919.C7
Gene No.	72677	Strand	+
Start	1963	End	2751
Name	OJ990708_02.9919.C7.o1.gs	Method	GENSCAN
Start	1963	End	2751
GI	none	Score	.82
Exons	1963..2611, 2689..2751		

Seq. No.	35184	Seq. ID	OJ990708_02.9919.C7
Gene No.	72678	Strand	-
Start	2192	End	2611
Name	OJ990708_02.9919.C7.o1.gp	Method	AAT/GAP
Start	2192	End	2611
GI	18284_1.R1084	Score	645
Exons	2192..2611		
GI Descrip.	'416316/gb\|U03445\|PRS405 4.0e-20 Yeast integrative vector pRS405		

with LEU2 marker, complete sequence'

Seq. No.	35184	Seq. ID	OJ990708_02.9919.C7
Gene No.	72679	Strand	-
Start	4382	End	4644
Name	OJ990708_02.9919.C7.o3.gp	Method	AAT/GAP
Start	4382	End	4644
GI	2315_5.R1084	Score	359
Exons	4382..4644		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35185	Seq. ID	OJ990708_02.9919.C9
Gene No.	72680	Strand	+
Start	1	End	723
Name	OJ990708_02.9919.C9.o1.np	Method	AAT/NAP
Start	1	End	723
GI	5257279	Score	387
Exons	1..594, 657..723		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	35185	Seq. ID	OJ990708_02.9919.C9
Gene No.	72680	Strand	+
Start	1	End	723
Name	OJ990708_02.9919.C9.o1.tw	Method	TBLASTX:Wheat
Start	291	End	587
GI	none	Score	182
Exons	291..587		

Seq. No.	35185	Seq. ID	OJ990708_02.9919.C9
Gene No.	72680	Strand	+
Start	1	End	723
Name	OJ990708_02.9919.C9.o1.tm	Method	TBLASTX:Maize
Start	318	End	575
GI	none	Score	179
Exons	318..575		

Seq. No.	35186	Seq. ID	OJ990708_02.9919.C10
Gene No.	72681	Strand	+
Start	1	End	4600
Name	OJ990708_02.9919.C10.o1.np	Method	AAT/NAP
Start	1	End	2953
GI	4539660	Score	3369
Exons	1..2953		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	35186	Seq. ID	OJ990708_02.9919.C10
Gene No.	72681	Strand	+
Start	1	End	4600
Name	OJ990708_02.9919.C10.o1.gs	Method	GENSCAN
Start	48	End	4600
GI	none	Score	.54
Exons	48..698, 796..1645, 1738..2066, 2561..2761, 2892..2998, 3622..3903, 4041..4170, 4224..4386, 4470..4600		

Seq. No.	35186	Seq. ID	OJ990708_02.9919.C10

Gene No.	72681	Strand	+
Start	1	End	4600
Name	OJ990708_02.9919.C10.o4.tw	Method	TBLASTX:Wheat
Start	209	End	638
GI	none	Score	74
Exons	209..457, 213..548, 272..514, 501..638		

Seq. No.	35186	Seq. ID	OJ990708_02.9919.C10
Gene No.	72681	Strand	+
Start	1	End	4600
Name	OJ990708_02.9919.C10.o4.tm	Method	TBLASTX:Maize
Start	222	End	514
GI	none	Score	343
Exons	222..512, 272..514		

Seq. No.	35186	Seq. ID	OJ990708_02.9919.C10
Gene No.	72681	Strand	+
Start	1	End	4600
Name	OJ990708_02.9919.C10.o5.tm	Method	TBLASTX:Maize
Start	534	End	1023
GI	none	Score	139
Exons	534..704, 784..1023, 798..902, 930..1016		

Seq. No.	35186	Seq. ID	OJ990708_02.9919.C10
Gene No.	72681	Strand	+
Start	1	End	4600
Name	OJ990708_02.9919.C10.o1.ts	Method	TBLASTX:Soybean
Start	579	End	972
GI	none	Score	56
Exons	579..611, 579..638, 615..785, 623..778, 781..963, 784..972, 789..971		

Seq. No.	35186	Seq. ID	OJ990708_02.9919.C10
Gene No.	72681	Strand	+
Start	1	End	4600
Name	OJ990708_02.9919.C10.o6.tw	Method	TBLASTX:Wheat
Start	687	End	987
GI	none	Score	126
Exons	687..785, 697..798, 720..785, 784..987, 795..986		

Seq. No.	35186	Seq. ID	OJ990708_02.9919.C10
Gene No.	72681	Strand	+
Start	1	End	4600
Name	OJ990708_02.9919.C10.o2.tw	Method	TBLASTX:Wheat
Start	988	End	1413
GI	none	Score	577
Exons	988..1413, 996..1145, 1036..1413		

Seq. No.	35186	Seq. ID	OJ990708_02.9919.C10
Gene No.	72681	Strand	+
Start	1	End	4600
Name	OJ990708_02.9919.C10.o3.ts	Method	TBLASTX:Soybean
Start	1000	End	1239
GI	none	Score	201
Exons	1000..1239, 1014..1124		

Seq. No.	35186	Seq. ID	OJ990708_02.9919.C10

Gene No.	72681	Strand	+
Start	1	End	4600
Name	OJ990708_02.9919.C10.o2.tm	Method	TBLASTX:Maize
Start	1060	End	1415
GI	none	Score	465
Exons	1060..1413, 1080..1151, 1102..1410, 1194..1415		

Seq. No.	35186	Seq. ID	OJ990708_02.9919.C10
Gene No.	72681	Strand	+
Start	1	End	4600
Name	OJ990708_02.9919.C10.o3.tw	Method	TBLASTX:Wheat
Start	1450	End	1976
GI	none	Score	63
Exons	1450..1560, 1568..1972, 1569..1976		

Seq. No.	35186	Seq. ID	OJ990708_02.9919.C10
Gene No.	72681	Strand	+
Start	1	End	4600
Name	OJ990708_02.9919.C10.o1.tc	Method	TBLASTX:Cress
Start	1680	End	2000
GI	none	Score	101
Exons	1680..1856, 1857..2000, 1859..1999		

Seq. No.	35186	Seq. ID	OJ990708_02.9919.C10
Gene No.	72681	Strand	+
Start	1	End	4600
Name	OJ990708_02.9919.C10.o2.ts	Method	TBLASTX:Soybean
Start	1776	End	2024
GI	none	Score	294
Exons	1776..2024, 1802..2017		

Seq. No.	35186	Seq. ID	OJ990708_02.9919.C10
Gene No.	72681	Strand	+
Start	1	End	4600
Name	OJ990708_02.9919.C10.o3.tm	Method	TBLASTX:Maize
Start	1822	End	2114
GI	none	Score	66
Exons	1822..1923, 1824..2108, 1826..2110, 1827..2114		

Seq. No.	35186	Seq. ID	OJ990708_02.9919.C10
Gene No.	72681	Strand	+
Start	1	End	4600
Name	OJ990708_02.9919.C10.o1.tw	Method	TBLASTX:Wheat
Start	1983	End	2608
GI	none	Score	132
Exons	1983..2114, 1985..2119, 2117..2608, 2126..2407, 2155..2607		

Seq. No.	35186	Seq. ID	OJ990708_02.9919.C10
Gene No.	72681	Strand	+
Start	1	End	4600
Name	OJ990708_02.9919.C10.o1.tm	Method	TBLASTX:Maize
Start	2165	End	2769
GI	none	Score	189
Exons	2165..2323, 2167..2316, 2170..2334, 2232..2318, 2320..2376, 2320..2616, 2321..2758, 2710..2769		

Seq. No.	35186	Seq. ID	OJ990708_02.9919.C10

Gene No.	72681	Strand	+
Start	1	End	4600
Name	OJ990708_02.9919.C10.o5.tw	Method	TBLASTX:Wheat
Start	2608	End	2941
GI	none	Score	339
Exons	2608..2877, 2609..2941		

Seq. No.	35187	Seq. ID	OJ990708_02.9919.C11
Gene No.	72682	Strand	+
Start	623	End	991
Name	OJ990708_02.9919.C11.o1.gp	Method	AAT/GAP
Start	623	End	991
GI	uC-osflcyp033a04b1	Score	606
Exons	623..991		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35187	Seq. ID	OJ990708_02.9919.C11
Gene No.	72683	Strand	+
Start	2936	End	5837
Name	OJ990708_02.9919.C11.o1.np	Method	AAT/NAP
Start	2936	End	5837
GI	4680179	Score	3067
Exons	2936..4021, 4055..5837		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35187	Seq. ID	OJ990708_02.9919.C11
Gene No.	72684	Strand	+
Start	6573	End	8024
Name	OJ990708_02.9919.C11.o2.np	Method	AAT/NAP
Start	6573	End	8024
GI	6907087	Score	913
Exons	6573..7384, 7923..8024		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35187	Seq. ID	OJ990708_02.9919.C11
Gene No.	72685	Strand	+
Start	8490	End	8871
Name	OJ990708_02.9919.C11.o2.gp	Method	AAT/GAP
Start	8490	End	8871
GI	uC-osflcyp033a04b1	Score	671
Exons	8490..8871		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35187	Seq. ID	OJ990708_02.9919.C11
Gene No.	72686	Strand	-
Start	8419	End	10367
Name	OJ990708_02.9919.C11.o3.np	Method	AAT/NAP
Start	8419	End	10367
GI	4680186	Score	237
Exons	8419..8623, 10340..10367		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35187	Seq. ID	OJ990708_02.9919.C11

Gene No.	72687	Strand	-
Start	11908	End	12638
Name	OJ990708_02.9919.C11.o6.tw	Method	TBLASTX:Wheat
Start	3119	End	3378
GI	none	Score	211
Exons	3119..3166, 3179..3376, 3181..3378		

Seq. No.	35187	Seq. ID	OJ990708_02.9919.C11
Gene No.	72687	Strand	-
Start	11908	End	12638
Name	OJ990708_02.9919.C11.o4.tw	Method	TBLASTX:Wheat
Start	3412	End	3763
GI	none	Score	278
Exons	3412..3606, 3428..3763		

Seq. No.	35187	Seq. ID	OJ990708_02.9919.C11
Gene No.	72687	Strand	-
Start	11908	End	12638
Name	OJ990708_02.9919.C11.o3.tm	Method	TBLASTX:Maize
Start	3427	End	3718
GI	none	Score	221
Exons	3427..3543, 3428..3718		

Seq. No.	35187	Seq. ID	OJ990708_02.9919.C11
Gene No.	72687	Strand	-
Start	11908	End	12638
Name	OJ990708_02.9919.C11.o4.tm	Method	TBLASTX:Maize
Start	4046	End	4399
GI	none	Score	184
Exons	4046..4399, 4048..4215		

Seq. No.	35187	Seq. ID	OJ990708_02.9919.C11
Gene No.	72687	Strand	-
Start	11908	End	12638
Name	OJ990708_02.9919.C11.o5.tw	Method	TBLASTX:Wheat
Start	4081	End	4504
GI	none	Score	152
Exons	4081..4290, 4082..4291, 4336..4449, 4337..4504		

Seq. No.	35187	Seq. ID	OJ990708_02.9919.C11
Gene No.	72687	Strand	-
Start	11908	End	12638
Name	OJ990708_02.9919.C11.o2.tw	Method	TBLASTX:Wheat
Start	4615	End	5101
GI	none	Score	52
Exons	4615..5058, 4619..4669, 4724..5101		

Seq. No.	35187	Seq. ID	OJ990708_02.9919.C11
Gene No.	72687	Strand	-
Start	11908	End	12638
Name	OJ990708_02.9919.C11.o2.tm	Method	TBLASTX:Maize
Start	4724	End	5155
GI	none	Score	363
Exons	4724..5155, 4763..4936, 4954..5148		

Seq. No.	35187	Seq. ID	OJ990708_02.9919.C11
Gene No.	72687	Strand	-

Start	11908	End	12638
Name	OJ990708_02.9919.C11.o1.ts	Method	TBLASTX:Soybean
Start	5042	End	5437
GI	none	Score	57
Exons	5042..5074, 5044..5073, 5078..5437, 5080..5118, 5146..5436		

Seq. No.	35187	Seq. ID	OJ990708_02.9919.C11
Gene No.	72687	Strand	-
Start	11908	End	12638
Name	OJ990708_02.9919.C11.o3.tw	Method	TBLASTX:Wheat
Start	5150	End	5421
GI	none	Score	349
Exons	5150..5419, 5150..5419, 5152..5421, 5305..5421		

Seq. No.	35187	Seq. ID	OJ990708_02.9919.C11
Gene No.	72687	Strand	-
Start	11908	End	12638
Name	OJ990708_02.9919.C11.o1.tm	Method	TBLASTX:Maize
Start	5171	End	5707
GI	none	Score	443
Exons	5171..5707, 5305..5589		

Seq. No.	35187	Seq. ID	OJ990708_02.9919.C11
Gene No.	72687	Strand	-
Start	11908	End	12638
Name	OJ990708_02.9919.C11.o1.tw	Method	TBLASTX:Wheat
Start	5422	End	5837
GI	none	Score	547
Exons	5422..5817, 5423..5821, 5465..5824, 5487..5837		

Seq. No.	35187	Seq. ID	OJ990708_02.9919.C11
Gene No.	72687	Strand	-
Start	11908	End	12638
Name	OJ990708_02.9919.C11.o2.ts	Method	TBLASTX:Soybean
Start	5459	End	5704
GI	none	Score	207
Exons	5459..5704, 5461..5703		

Seq. No.	35187	Seq. ID	OJ990708_02.9919.C11
Gene No.	72687	Strand	-
Start	11908	End	12638
Name	OJ990708_02.9919.C11.o5.tm	Method	TBLASTX:Maize
Start	5714	End	5838
GI	none	Score	182
Exons	5714..5827, 5722..5838, 5725..5826		

Seq. No.	35187	Seq. ID	OJ990708_02.9919.C11
Gene No.	72687	Strand	-
Start	11908	End	12638
Name	OJ990708_02.9919.C11.o3.gs	Method	GENSCAN
Start	11908	End	12638
GI	none	Score	.41
Exons	11908..11938, 12458..12638		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72688	Strand	+
Start	299	End	8752

Name	OJ990708_02.9919.C12.o1.np	Method	AAT/NAP
Start	299	End	1931
GI	4680179	Score	2283
Exons	299..1931		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72688	Strand	+
Start	299	End	8752
Name	OJ990708_02.9919.C12.o4.np	Method	AAT/NAP
Start	1365	End	8728
GI	4544372	Score	388
Exons	1365..1385, 5215..5600, 5667..6054, 6168..6474, 8682..8728		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72688	Strand	+
Start	299	End	8752
Name	OJ990708_02.9919.C12.o5.np	Method	AAT/NAP
Start	1969	End	8390
GI	6498441	Score	129
Exons	1969..1997, 2758..2898, 3047..3226, 5729..5933, 6073..6440, 8324..8390		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72688	Strand	+
Start	299	End	8752
Name	OJ990708_02.9919.C12.o3.np	Method	AAT/NAP
Start	2845	End	8752
GI	4206306	Score	532
Exons	2845..2879, 5202..6714, 8635..8752		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72688	Strand	+
Start	299	End	8752
Name	OJ990708_02.9919.C12.o2.gp	Method	AAT/GAP
Start	4024	End	4406
GI	uC-osflcyp033a04b1	Score	660
Exons	4024..4406		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72688	Strand	+
Start	299	End	8752
Name	OJ990708_02.9919.C12.o3.gs	Method	GENSCAN
Start	4203	End	6955
GI	none	Score	.54
Exons	4203..4274, 5197..5519, 5832..6678, 6749..6955		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72688	Strand	+

Start	299	End	8752
Name	OJ990708_02.9919.C12.o6.np	Method	AAT/NAP
Start	5380	End	8351
GI	629693	Score	210
Exons	5380..5415, 6749..7483, 8307..8351		
GI Descrip.	probable integrase - common tobacco (fragment) gi\|530742\|emb\|CAA56791\| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72689	Strand	+
Start	12571	End	13926
Name	OJ990708_02.9919.C12.o7.np	Method	AAT/NAP
Start	12571	End	13926
GI	6721512	Score	80
Exons	12571..12704, 13856..13926		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72690	Strand	-
Start	1	End	7904
Name	OJ990708_02.9919.C12.o2.np	Method	AAT/NAP
Start	1	End	7904
GI	5852180	Score	553
Exons	1..105, 2682..3103, 3155..3273, 4255..4314, 7844..7904		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72690	Strand	-
Start	1	End	7904
Name	OJ990708_02.9919.C12.o2.gs	Method	GENSCAN
Start	2630	End	3037
GI	none	Score	1
Exons	2630..3037		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72690	Strand	-
Start	1	End	7904
Name	OJ990708_02.9919.C12.o4.gs	Method	GENSCAN
Start	7220	End	7647
GI	none	Score	.65
Exons	7220..7325, 7478..7647		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72691	Strand	-
Start	7859	End	10343
Name	OJ990708_02.9919.C12.o5.gs	Method	GENSCAN
Start	7859	End	10343
GI	none	Score	.82
Exons	7859..8539, 8621..8701, 8810..8869, 9026..9367, 9449..9474, 10052..10343		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72692	Strand	-
Start	10793	End	11830
Name	OJ990708_02.9919.C12.o2.tw	Method	TBLASTX:Wheat
Start	353	End	920
GI	none	Score	657

Exons	353..919, 384..920		
Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72692	Strand	-
Start	10793	End	11830
Name	OJ990708_02.9919.C12.o1.tc	Method	TBLASTX:Cress
Start	627	End	944
GI	none	Score	90
Exons	627..800, 801..944, 803..943		
Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72692	Strand	-
Start	10793	End	11830
Name	OJ990708_02.9919.C12.o1.ts	Method	TBLASTX:Soybean
Start	708	End	969
GI	none	Score	296
Exons	708..968, 713..967, 787..969		
Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72692	Strand	-
Start	10793	End	11830
Name	OJ990708_02.9919.C12.o3.tm	Method	TBLASTX:Maize
Start	767	End	1058
GI	none	Score	379
Exons	767..1054, 768..1058		
Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72692	Strand	-
Start	10793	End	11830
Name	OJ990708_02.9919.C12.o1.tw	Method	TBLASTX:Wheat
Start	927	End	6931
GI	none	Score	699
Exons	927..1553, 983..1441, 1299..1550, 6788..6931		
Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72692	Strand	-
Start	10793	End	11830
Name	OJ990708_02.9919.C12.o1.tm	Method	TBLASTX:Maize
Start	1107	End	1706
GI	none	Score	231
Exons	1107..1268, 1115..1261, 1266..1706, 1268..1690		
Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72692	Strand	-
Start	10793	End	11830
Name	OJ990708_02.9919.C12.o3.tw	Method	TBLASTX:Wheat
Start	1553	End	1886
GI	none	Score	372
Exons	1553..1822, 1554..1886, 1557..1865		
Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72692	Strand	-
Start	10793	End	11830
Name	OJ990708_02.9919.C12.o5.tm	Method	TBLASTX:Maize
Start	1710	End	1938
GI	none	Score	187
Exons	1710..1907, 1721..1816, 1810..1938		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72692	Strand	-
Start	10793	End	11830
Name	OJ990708_02.9919.C12.o2.tm	Method	TBLASTX:Maize
Start	5215	End	5580
GI	none	Score	389
Exons	5215..5580, 5215..5400, 5268..5579		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72692	Strand	-
Start	10793	End	11830
Name	OJ990708_02.9919.C12.o4.tw	Method	TBLASTX:Wheat
Start	5224	End	5649
GI	none	Score	238
Exons	5224..5586, 5548..5649		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72692	Strand	-
Start	10793	End	11830
Name	OJ990708_02.9919.C12.o3.ts	Method	TBLASTX:Soybean
Start	5266	End	5736
GI	none	Score	204
Exons	5266..5547, 5304..5528, 5548..5736, 5592..5723		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72692	Strand	-
Start	10793	End	11830
Name	OJ990708_02.9919.C12.o2.ts	Method	TBLASTX:Soybean
Start	5887	End	6355
GI	none	Score	148
Exons	5887..6024, 5889..6038, 6039..6104, 6045..6215, 6046..6276, 6278..6355		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72692	Strand	-
Start	10793	End	11830
Name	OJ990708_02.9919.C12.o4.ts	Method	TBLASTX:Soybean
Start	7255	End	7491
GI	none	Score	192
Exons	7255..7407, 7280..7486, 7450..7491		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72692	Strand	-
Start	10793	End	11830
Name	OJ990708_02.9919.C12.o4.tm	Method	TBLASTX:Maize
Start	9832	End	10367
GI	none	Score	57
Exons	9832..9927, 9832..9879, 9833..9928, 9845..9928, 9903..10034, 9958..10032, 9967..10356, 9981..10034, 10030..10236, 10038..10367		

Seq. No.	35188	Seq. ID	OJ990708_02.9919.C12
Gene No.	72692	Strand	-
Start	10793	End	11830
Name	OJ990708_02.9919.C12.o6.gs	Method	GENSCAN
Start	10793	End	11830

GI	none	Score	.94
Exons	10793..11830		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72693	Strand	+
Start	5484	End	10854
Name	OJ990708_02.9919.C13.o3.gs	Method	GENSCAN
Start	5484	End	9487
GI	none	Score	.56
Exons	5484..5641, 5643..6102, 6159..6235, 6953..7049, 7257..7329, 7496..7620, 7688..7873, 7944..8002, 8071..8771, 9156..9487		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72693	Strand	+
Start	5484	End	10854
Name	OJ990708_02.9919.C13.o5.np	Method	AAT/NAP
Start	6149	End	10854
GI	6907089	Score	275
Exons	6149..6324, 6829..7416, 10813..10854		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72693	Strand	+
Start	5484	End	10854
Name	OJ990708_02.9919.C13.o6.np	Method	AAT/NAP
Start	6800	End	8271
GI	6721558	Score	138
Exons	6800..6877, 7476..7626, 8071..8271		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815083\|dbj\|BAA90369.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72693	Strand	+
Start	5484	End	10854
Name	OJ990708_02.9919.C13.o7.np	Method	AAT/NAP
Start	7220	End	8833
GI	6721561	Score	1049
Exons	7220..7255, 7654..7873, 7944..8002, 8071..8833		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72694	Strand	+
Start	16411	End	17291
Name	OJ990708_02.9919.C13.o1.gp	Method	AAT/GAP
Start	16411	End	17120
GI	none	Score	789
Exons	16411..16699, 16927..17120		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72694	Strand	+
Start	16411	End	17291
Name	OJ990708_02.9919.C13.o2.gp	Method	AAT/GAP

Start	16933	End	17291
GI	LIB3434-003-P1-K1-B12	Score	570
Exons	16933..17291		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72695	Strand	-
Start	1	End	2149
Name	OJ990708_02.9919.C13.o1.np	Method	AAT/NAP
Start	1	End	2149
GI	4680179	Score	829
Exons	1..55, 1121..2149		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72695	Strand	-
Start	1	End	2149
Name	OJ990708_02.9919.C13.o1.gs	Method	GENSCAN
Start	437	End	2112
GI	none	Score	.7
Exons	437..534, 899..973, 1035..1154, 1368..2112		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72696	Strand	-
Start	2396	End	5947
Name	OJ990708_02.9919.C13.o2.np	Method	AAT/NAP
Start	2394	End	3190
GI	4512231	Score	1109
Exons	2394..3190		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72696	Strand	-
Start	2396	End	5947
Name	OJ990708_02.9919.C13.o2.gs	Method	GENSCAN
Start	2396	End	4716
GI	none	Score	.9
Exons	2396..3190, 4714..4716		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72696	Strand	-
Start	2396	End	5947
Name	OJ990708_02.9919.C13.o3.np	Method	AAT/NAP
Start	4323	End	5873
GI	6063554	Score	166
Exons	4323..4497, 5537..5594, 5706..5873		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72696	Strand	-
Start	2396	End	5947
Name	OJ990708_02.9919.C13.o4.np	Method	AAT/NAP
Start	5051	End	5947
GI	5852178	Score	395

Exons	5051..5152, 5510..5608, 5640..5947		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		
Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72697	Strand	-
Start	10294	End	13404
Name	OJ990708_02.9919.C13.o8.np	Method	AAT/NAP
Start	10294	End	13404
GI	5902445	Score	2957
Exons	10294..11532, 11572..13404		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72698	Strand	-
Start	13471	End	13894
Name	OJ990708_02.9919.C13.o5.tw	Method	TBLASTX:Wheat
Start	1354	End	1698
GI	none	Score	308
Exons	1354..1698		
Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72698	Strand	-
Start	13471	End	13894
Name	OJ990708_02.9919.C13.o3.tm	Method	TBLASTX:Maize
Start	1360	End	1698
GI	none	Score	242
Exons	1360..1698		
Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72698	Strand	-
Start	13471	End	13894
Name	OJ990708_02.9919.C13.o8.tw	Method	TBLASTX:Wheat
Start	1750	End	1948
GI	none	Score	68
Exons	1750..1923, 1750..1932, 1751..1948		
Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72698	Strand	-
Start	13471	End	13894
Name	OJ990708_02.9919.C13.o3.tw	Method	TBLASTX:Wheat
Start	10303	End	10892
GI	none	Score	62
Exons	10303..10434, 10304..10429, 10459..10701, 10713..10892		
Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72698	Strand	-
Start	13471	End	13894
Name	OJ990708_02.9919.C13.o5.tm	Method	TBLASTX:Maize
Start	10339	End	10605
GI	none	Score	137
Exons	10339..10422, 10423..10605		
Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72698	Strand	-
Start	13471	End	13894
Name	OJ990708_02.9919.C13.o4.tm	Method	TBLASTX:Maize
Start	10881	End	11262

GI	none	Score	43
Exons	10881..10994, 10912..10983, 10992..11255, 11029..11262		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72698	Strand	-
Start	13471	End	13894
Name	OJ990708_02.9919.C13.o4.tw	Method	TBLASTX:Wheat
Start	10926	End	11276
GI	none	Score	181
Exons	10926..11264, 10936..11178, 11085..11276		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72698	Strand	-
Start	13471	End	13894
Name	OJ990708_02.9919.C13.o10.tw	Method	TBLASTX:Wheat
Start	11554	End	11875
GI	none	Score	81
Exons	11554..11874, 11621..11875		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72698	Strand	-
Start	13471	End	13894
Name	OJ990708_02.9919.C13.o6.tw	Method	TBLASTX:Wheat
Start	11914	End	12322
GI	none	Score	42
Exons	11914..12087, 11917..11985, 11966..12058, 12095..12322, 12097..12321		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72698	Strand	-
Start	13471	End	13894
Name	OJ990708_02.9919.C13.o9.tw	Method	TBLASTX:Wheat
Start	12391	End	12682
GI	none	Score	101
Exons	12391..12564, 12554..12682		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72698	Strand	-
Start	13471	End	13894
Name	OJ990708_02.9919.C13.o1.ts	Method	TBLASTX:Soybean
Start	12412	End	12835
GI	none	Score	95
Exons	12412..12564, 12560..12835, 12651..12803		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72698	Strand	-
Start	13471	End	13894
Name	OJ990708_02.9919.C13.o1.tm	Method	TBLASTX:Maize
Start	12563	End	12919
GI	none	Score	128
Exons	12563..12919, 12564..12797		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72698	Strand	-
Start	13471	End	13894
Name	OJ990708_02.9919.C13.o1.tw	Method	TBLASTX:Wheat
Start	12686	End	13105

GI	none	Score	106
Exons	12686..13105, 12687..12803, 12719..12844, 12933..13031, 12965..13090		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72698	Strand	-
Start	13471	End	13894
Name	OJ990708_02.9919.C13.o2.tm	Method	TBLASTX:Maize
Start	12974	End	13329
GI	none	Score	82
Exons	12974..13150, 12984..13151, 13114..13329, 13118..13267		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72698	Strand	-
Start	13471	End	13894
Name	OJ990708_02.9919.C13.o2.tw	Method	TBLASTX:Wheat
Start	13130	End	13498
GI	none	Score	244
Exons	13130..13498, 13135..13494		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72698	Strand	-
Start	13471	End	13894
Name	OJ990708_02.9919.C13.o9.np	Method	AAT/NAP
Start	13471	End	13882
GI	5902444	Score	228
Exons	13471..13882		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72698	Strand	-
Start	13471	End	13894
Name	OJ990708_02.9919.C13.o7.tw	Method	TBLASTX:Wheat
Start	13651	End	13894
GI	none	Score	140
Exons	13651..13893, 13661..13894		

Seq. No.	35189	Seq. ID	OJ990708_02.9919.C13
Gene No.	72699	Strand	
Start	16447	End	17056
Name	OJ990708_02.9919.C13.o11.tw	Method	TBLASTX:Wheat
Start	16447	End	17056
GI	none	Score	186
Exons	16447..16470, 16480..16581, 16496..16684, 16497..16604, 16555..16701, 16929..17051, 16931..17056, 16936..17052		

Seq. No.	35190	Seq. ID	OJ990708_02.9919.C14
Gene No.	72700	Strand	+
Start	1	End	1757
Name	OJ990708_02.9919.C14.o1.np	Method	AAT/NAP
Start	1	End	1757
GI	6498434	Score	127
Exons	1..25, 1669..1757		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	35190	Seq. ID	OJ990708_02.9919.C14
Gene No.	72701	Strand	-

Start	362	End	1603
Name	OJ990708_02.9919.C14.o1.gs	Method	GENSCAN
Start	362	End	1349
GI	none	Score	.82
Exons	362..426, 683..764, 918..977, 1143..1349		

Seq. No.	35190	Seq. ID	OJ990708_02.9919.C14
Gene No.	72701	Strand	-
Start	362	End	1603
Name	OJ990708_02.9919.C14.o1.tw	Method	TBLASTX:Wheat
Start	1047	End	1603
GI	none	Score	184
Exons	1047..1070, 1080..1157, 1096..1284, 1096..1176, 1155..1301, 1528..1569, 1532..1570, 1539..1601, 1546..1602, 1556..1603, 1559..1603		

Seq. No.	35191	Seq. ID	OJ990708_02.9919.C15
Gene No.	72702	Strand	+
Start	47	End	303
Name	OJ990708_02.9919.C15.o1.gs	Method	GENSCAN
Start	47	End	303
GI	none	Score	.76
Exons	47..303		

Seq. No.	35192	Seq. ID	OJ990708_02.9919.C16
Gene No.	72703	Strand	-
Start	1	End	1254
Name	OJ990708_02.9919.C16.o1.np	Method	AAT/NAP
Start	1	End	1236
GI	6742729	Score	1506
Exons	1..1236		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	35192	Seq. ID	OJ990708_02.9919.C16
Gene No.	72703	Strand	-
Start	1	End	1254
Name	OJ990708_02.9919.C16.o2.tw	Method	TBLASTX:Wheat
Start	2	End	391
GI	none	Score	74
Exons	2..76, 3..77, 52..390, 74..391, 77..391		

Seq. No.	35192	Seq. ID	OJ990708_02.9919.C16
Gene No.	72703	Strand	-
Start	1	End	1254
Name	OJ990708_02.9919.C16.o2.tm	Method	TBLASTX:Maize
Start	67	End	348
GI	none	Score	119
Exons	67..348, 77..337		

Seq. No.	35192	Seq. ID	OJ990708_02.9919.C16
Gene No.	72703	Strand	-
Start	1	End	1254
Name	OJ990708_02.9919.C16.o1.gs	Method	GENSCAN
Start	387	End	1166
GI	none	Score	.89
Exons	387..944, 1065..1166		

Seq. No.	35192	Seq. ID	OJ990708_02.9919.C16
Gene No.	72703	Strand	-
Start	1	End	1254
Name	OJ990708_02.9919.C16.o1.ts	Method	TBLASTX:Soybean
Start	552	End	794
GI	none	Score	195
Exons	552..794		

Seq. No.	35192	Seq. ID	OJ990708_02.9919.C16
Gene No.	72703	Strand	-
Start	1	End	1254
Name	OJ990708_02.9919.C16.o1.tm	Method	TBLASTX:Maize
Start	624	End	1077
GI	none	Score	68
Exons	624..818, 828..950, 829..939, 949..1068, 979..1077		

Seq. No.	35192	Seq. ID	OJ990708_02.9919.C16
Gene No.	72703	Strand	-
Start	1	End	1254
Name	OJ990708_02.9919.C16.o1.tw	Method	TBLASTX:Wheat
Start	663	End	1117
GI	none	Score	123
Exons	663..887, 703..864, 865..948, 867..950, 868..951, 967..1071, 971..1072, 1069..1116, 1073..1117		

Seq. No.	35192	Seq. ID	OJ990708_02.9919.C16
Gene No.	72703	Strand	-
Start	1	End	1254
Name	OJ990708_02.9919.C16.o1.tc	Method	TBLASTX:Cress
Start	967	End	1254
GI	none	Score	59
Exons	967..1128, 974..1060, 1183..1254		

Seq. No.	35193	Seq. ID	OJ990708_02.9919.C17
Gene No.	72704	Strand	+
Start	213	End	3968
Name	OJ990708_02.9919.C17.o1.gs	Method	GENSCAN
Start	213	End	3968
GI	none	Score	.61
Exons	213..382, 3585..3968		

Seq. No.	35193	Seq. ID	OJ990708_02.9919.C17
Gene No.	72705	Strand	-
Start	1	End	601
Name	OJ990708_02.9919.C17.o1.np	Method	AAT/NAP
Start	1	End	601
GI	4680203	Score	496
Exons	1..601		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	35193	Seq. ID	OJ990708_02.9919.C17
Gene No.	72706	Strand	-
Start	5543	End	8703
Name	OJ990708_02.9919.C17.o5.tw	Method	TBLASTX:Wheat
Start	1	End	255
GI	none	Score	105
Exons	1..159, 2..160, 3..152, 143..244, 154..255		

Seq. No.	35193	Seq. ID	OJ990708_02.9919.C17
Gene No.	72706	Strand	-
Start	5543	End	8703
Name	OJ990708_02.9919.C17.o2.gs	Method	GENSCAN
Start	5543	End	7428
GI	none	Score	.82
Exons	5543..5648, 5680..5915, 6840..6941, 7027..7428		

Seq. No.	35193	Seq. ID	OJ990708_02.9919.C17
Gene No.	72706	Strand	-
Start	5543	End	8703
Name	OJ990708_02.9919.C17.o2.np	Method	AAT/NAP
Start	6678	End	8703
GI	4680179	Score	2895
Exons	6678..8703		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35193	Seq. ID	OJ990708_02.9919.C17
Gene No.	72706	Strand	-
Start	5543	End	8703
Name	OJ990708_02.9919.C17.o4.tw	Method	TBLASTX:Wheat
Start	6723	End	7056
GI	none	Score	117
Exons	6723..6959, 6925..7056		

Seq. No.	35193	Seq. ID	OJ990708_02.9919.C17
Gene No.	72706	Strand	-
Start	5543	End	8703
Name	OJ990708_02.9919.C17.o1.tm	Method	TBLASTX:Maize
Start	6918	End	7503
GI	none	Score	160
Exons	6918..6959, 6955..7344, 7043..7345, 7342..7503, 7349..7495, 7351..7497		

Seq. No.	35193	Seq. ID	OJ990708_02.9919.C17
Gene No.	72706	Strand	-
Start	5543	End	8703
Name	OJ990708_02.9919.C17.o1.tw	Method	TBLASTX:Wheat
Start	7057	End	7678
GI	none	Score	331
Exons	7057..7677, 7058..7678		

Seq. No.	35193	Seq. ID	OJ990708_02.9919.C17
Gene No.	72706	Strand	-
Start	5543	End	8703
Name	OJ990708_02.9919.C17.o3.tm	Method	TBLASTX:Maize
Start	7552	End	7843
GI	none	Score	282
Exons	7552..7842, 7556..7843		

Seq. No.	35193	Seq. ID	OJ990708_02.9919.C17
Gene No.	72706	Strand	-
Start	5543	End	8703
Name	OJ990708_02.9919.C17.o1.ts	Method	TBLASTX:Soybean
Start	7642	End	7902
GI	none	Score	178

Exons	7642..7902, 7643..7900		
Seq. No.	35193	Seq. ID	OJ990708_02.9919.C17
Gene No.	72706	Strand	-
Start	5543	End	8703
Name	OJ990708_02.9919.C17.o2.tw	Method	TBLASTX:Wheat
Start	7690	End	8226
GI	none	Score	343
Exons	7690..8226, 7691..8224		
Seq. No.	35193	Seq. ID	OJ990708_02.9919.C17
Gene No.	72706	Strand	-
Start	5543	End	8703
Name	OJ990708_02.9919.C17.o3.gs	Method	GENSCAN
Start	7828	End	8538
GI	none	Score	.82
Exons	7828..8538		
Seq. No.	35193	Seq. ID	OJ990708_02.9919.C17
Gene No.	72706	Strand	-
Start	5543	End	8703
Name	OJ990708_02.9919.C17.o2.tm	Method	TBLASTX:Maize
Start	8257	End	8592
GI	none	Score	48
Exons	8257..8304, 8264..8299, 8299..8580, 8302..8592, 8303..8587		
Seq. No.	35193	Seq. ID	OJ990708_02.9919.C17
Gene No.	72706	Strand	-
Start	5543	End	8703
Name	OJ990708_02.9919.C17.o3.tw	Method	TBLASTX:Wheat
Start	8296	End	8695
GI	none	Score	185
Exons	8296..8694, 8299..8619, 8303..8695		
Seq. No.	35193	Seq. ID	OJ990708_02.9919.C17
Gene No.	72706	Strand	-
Start	5543	End	8703
Name	OJ990708_02.9919.C17.o2.ts	Method	TBLASTX:Soybean
Start	8410	End	8658
GI	none	Score	86
Exons	8410..8658, 8429..8623		
Seq. No.	35194	Seq. ID	OJ990708_02.9919.C19
Gene No.	72707	Strand	-
Start	1	End	1884
Name	OJ990708_02.9919.C19.o1.np	Method	AAT/NAP
Start	1	End	1562
GI	4680179	Score	636
Exons	1..832, 1498..1562		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	35194	Seq. ID	OJ990708_02.9919.C19
Gene No.	72707	Strand	-
Start	1	End	1884
Name	OJ990708_02.9919.C19.o1.gs	Method	GENSCAN
Start	138	End	1818
GI	none	Score	.73

Exons	138..341, 603..831, 1084..1818		
Seq. No.	35194	Seq. ID	OJ990708_02.9919.C19
Gene No.	72707	Strand	-
Start	1	End	1884
Name	OJ990708_02.9919.C19.o2.np	Method	AAT/NAP
Start	1120	End	1884
GI	4512229	Score	1000
Exons	1120..1884		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		
Seq. No.	35194	Seq. ID	OJ990708_02.9919.C19
Gene No.	72708	Strand	-
Start	2098	End	2789
Name	OJ990708_02.9919.C19.o1.tw	Method	TBLASTX:Wheat
Start	94	End	432
GI	none	Score	102
Exons	94..432, 97..405		
Seq. No.	35194	Seq. ID	OJ990708_02.9919.C19
Gene No.	72708	Strand	-
Start	2098	End	2789
Name	OJ990708_02.9919.C19.o1.tm	Method	TBLASTX:Maize
Start	133	End	432
GI	none	Score	46
Exons	133..432, 134..202, 302..388		
Seq. No.	35194	Seq. ID	OJ990708_02.9919.C19
Gene No.	72708	Strand	-
Start	2098	End	2789
Name	OJ990708_02.9919.C19.o3.np	Method	AAT/NAP
Start	2098	End	2789
GI	5852175	Score	47
Exons	2098..2208, 2721..2789		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		
Seq. No.	35195	Seq. ID	OJ990708_02.9919.C20
Gene No.	72709	Strand	+
Start	7383	End	8273
Name	OJ990708_02.9919.C20.o1.gp	Method	AAT/GAP
Start	7383	End	8273
GI	none	Score	1200
Exons	7383..7657, 7889..8273		
Seq. No.	35195	Seq. ID	OJ990708_02.9919.C20
Gene No.	72710	Strand	-
Start	318	End	3348
Name	OJ990708_02.9919.C20.o1.gs	Method	GENSCAN
Start	318	End	3348
GI	none	Score	.59
Exons	318..439, 1144..1335, 1423..1531, 1874..2040, 2078..2189, 3208..3348		
Seq. No.	35195	Seq. ID	OJ990708_02.9919.C20
Gene No.	72711	Strand	
Start	7419	End	8039
Name	OJ990708_02.9919.C20.o1.tw	Method	TBLASTX:Wheat

Start	7419	End	8039
GI	none	Score	194
Exons	7419..7442, 7452..7553, 7468..7656, 7527..7655, 7535..7657, 7892..7930, 7906..8031, 7916..8035, 7920..8039		

Seq. No.	35196	Seq. ID	OJ990708_02.9919.C21
Gene No.	72712	Strand	+
Start	6135	End	6917
Name	OJ990708_02.9919.C21.o1.gp	Method	AAT/GAP
Start	6029	End	6738
GI	none	Score	823
Exons	6029..6303, 6546..6738		

Seq. No.	35196	Seq. ID	OJ990708_02.9919.C21
Gene No.	72712	Strand	+
Start	6135	End	6917
Name	OJ990708_02.9919.C21.o2.gs	Method	GENSCAN
Start	6135	End	6628
GI	none	Score	.43
Exons	6135..6303, 6546..6628		

Seq. No.	35196	Seq. ID	OJ990708_02.9919.C21
Gene No.	72712	Strand	+
Start	6135	End	6917
Name	OJ990708_02.9919.C21.o2.gp	Method	AAT/GAP
Start	6220	End	6917
GI	none	Score	799
Exons	6220..6303, 6546..6917		

Seq. No.	35196	Seq. ID	OJ990708_02.9919.C21
Gene No.	72713	Strand	+
Start	12761	End	16904
Name	OJ990708_02.9919.C21.o4.gs	Method	GENSCAN
Start	12761	End	16904
GI	none	Score	.48
Exons	12761..12860, 13324..13540, 14635..14911, 15089..15386, 16846..16904		

Seq. No.	35196	Seq. ID	OJ990708_02.9919.C21
Gene No.	72713	Strand	+
Start	12761	End	16904
Name	OJ990708_02.9919.C21.o4.gp	Method	AAT/GAP
Start	15532	End	15614
GI	LIB3477-003-P1-K1-E9	Score	98
Exons	15532..15614		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	35196	Seq. ID	OJ990708_02.9919.C21
Gene No.	72714	Strand	-
Start	9188	End	10114
Name	OJ990708_02.9919.C21.o3.gs	Method	GENSCAN
Start	9188	End	10114
GI	none	Score	.86
Exons	9188..9339, 9553..9680, 9841..9970, 10087..10114		

Seq. No.	35196	Seq. ID	OJ990708_02.9919.C21
Gene No.	72715	Strand	-
Start	14782	End	15199
Name	OJ990708_02.9919.C21.o3.gp	Method	AAT/GAP
Start	14782	End	15199
GI	568184	Score	628
Exons	14782..14959, 15032..15199		

Seq. No.	35196	Seq. ID	OJ990708_02.9919.C21
Gene No.	72716	Strand	-
Start	19176	End	21911
Name	OJ990708_02.9919.C21.o2.tw	Method	TBLASTX:Wheat
Start	6054	End	6696
GI	none	Score	46
Exons	6054..6152, 6062..6088, 6114..6302, 6117..6194, 6169..6303, 6173..6301, 6244..6303, 6545..6586, 6549..6587, 6563..6691, 6563..6688, 6577..6696		

Seq. No.	35196	Seq. ID	OJ990708_02.9919.C21
Gene No.	72716	Strand	-
Start	19176	End	21911
Name	OJ990708_02.9919.C21.o2.tm	Method	TBLASTX:Maize
Start	12754	End	13274
GI	none	Score	216
Exons	12754..13074, 12763..13152, 13070..13123, 13071..13175, 13113..13274, 13177..13260		

Seq. No.	35196	Seq. ID	OJ990708_02.9919.C21
Gene No.	72716	Strand	-
Start	19176	End	21911
Name	OJ990708_02.9919.C21.o5.gs	Method	GENSCAN
Start	19176	End	21781
GI	none	Score	.65
Exons	19176..19259, 19487..19621, 19716..19814, 20360..20644, 20735..21301, 21488..21781		

Seq. No.	35196	Seq. ID	OJ990708_02.9919.C21
Gene No.	72716	Strand	-
Start	19176	End	21911
Name	OJ990708_02.9919.C21.o1.tw	Method	TBLASTX:Wheat
Start	20384	End	21706
GI	none	Score	55
Exons	20384..20476, 20401..20475, 20465..20545, 20508..20546, 20550..20648, 20551..20667, 20552..20668, 20559..20699, 20570..20698, 20628..20741, 20678..20737, 20744..20791, 20745..20792, 20752..20808, 20783..21700, 20799..21701, 21212..21706		

Seq. No.	35196	Seq. ID	OJ990708_02.9919.C21
Gene No.	72716	Strand	-
Start	19176	End	21911
Name	OJ990708_02.9919.C21.o1.np	Method	AAT/NAP
Start	20868	End	21911
GI	6742729	Score	1219
Exons	20868..21709, 21813..21911		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	35196	Seq. ID	OJ990708_02.9919.C21
Gene No.	72716	Strand	-
Start	19176	End	21911
Name	OJ990708_02.9919.C21.o1.tc	Method	TBLASTX:Cress
Start	20966	End	21413
GI	none	Score	81
Exons	20966..21115, 20966..21409, 20970..21413, 20976..21413		

Seq. No.	35196	Seq. ID	OJ990708_02.9919.C21
Gene No.	72716	Strand	-
Start	19176	End	21911
Name	OJ990708_02.9919.C21.o1.tm	Method	TBLASTX:Maize
Start	21344	End	21658
GI	none	Score	133
Exons	21344..21658, 21345..21647		

Seq. No.	35197	Seq. ID	OJ990818_07.9920.C1
Gene No.	72717	Strand	+
Start	1554	End	9310
Name	OJ990818_07.9920.C1.o1.gs	Method	GENSCAN
Start	1554	End	9153
GI	none	Score	66
Exons	1554..1568, 2626..2769, 2863..2974, 3207..3349, 4104..4259, 4388..4571, 4754..4890, 5054..5683, 5952..6113, 7460..7537, 8013..8091, 8186..8331, 8441..8509, 8639..8807, 8903..9153		

Seq. No.	35197	Seq. ID	OJ990818_07.9920.C1
Gene No.	72717	Strand	+
Start	1554	End	9310
Name	OJ990818_07.9920.C1.o2.np	Method	AAT/NAP
Start	3419	End	9150
GI	5306263	Score	997
Exons	3419..3526, 4985..5269, 5363..5712, 5947..6113, 7460..7537, 8013..8097, 8213..8331, 8639..8807, 8918..9150		
GI Descrip.	(AC006233) unknown protein [Arabidopsis thaliana]		

Seq. No.	35197	Seq. ID	OJ990818_07.9920.C1
Gene No.	72717	Strand	+
Start	1554	End	9310
Name	OJ990818_07.9920.C1.o1.gp	Method	AAT/GAP
Start	4312	End	4977
GI	uC-osflcyp014e02b1	Score	832
Exons	4312..4571, 4812..4977		
GI Descrip.	'5306263/gb\|AAD41995.1\|AC006233_6 2.0e-23 (AC006233) unknown protein [Arabidopsis thaliana]'		

Seq. No.	35197	Seq. ID	OJ990818_07.9920.C1
Gene No.	72717	Strand	+
Start	1554	End	9310
Name	OJ990818_07.9920.C1.o2.gp	Method	AAT/GAP
Start	5623	End	8227
GI	3766754	Score	698
Exons	5623..5683, 5952..6113, 7460..7537, 8013..8091, 8186..8227		
GI Descrip.	5306263/gb\|AAD41995.1\|AC006233_6 2.0e-23 (AC006233) unknown protein [Arabidopsis thaliana]		

Seq. No.	35197	Seq. ID	OJ990818_07.9920.C1

Gene No.	72717	Strand	+
Start	1554	End	9310
Name	OJ990818_07.9920.C1.o3.gp	Method	AAT/GAP
Start	8630	End	9310
GI	34607_1.R1084	Score	1056
Exons	8630..8807, 8903..9310		
GI Descrip.	'5306263/gb\|AAD41995.1\|AC006233_6 2.0e-20 (AC006233) unknown protein [Arabidopsis thaliana]'		

Seq. No.	35197	Seq. ID	OJ990818_07.9920.C1
Gene No.	72718	Strand	-
Start	2404	End	3510
Name	OJ990818_07.9920.C1.o1.np	Method	AAT/NAP
Start	2404	End	3510
GI	6815053	Score	732
Exons	2404..2640, 2690..2866, 3366..3510		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	35197	Seq. ID	OJ990818_07.9920.C1
Gene No.	72719	Strand	
Start	4961	End	9290
Name	OJ990818_07.9920.C1.o1.tm	Method	TBLASTX:Maize
Start	4961	End	8736
GI	none	Score	91
Exons	4961..5011, 4981..5046, 4981..5043, 5204..5413, 5233..5415, 5233..5394, 5463..5690, 5474..5683, 5478..5708, 5509..5694, 5951..6115, 5952..6113, 5952..6116, 7454..7540, 7459..7539, 7934..8092, 8010..8108, 8010..8090, 8011..8091, 8167..8331, 8179..8331, 8180..8350, 8440..8517, 8441..8509, 8633..8716, 8638..8733, 8639..8734, 8653..8736		

Seq. No.	35197	Seq. ID	OJ990818_07.9920.C1
Gene No.	72719	Strand	
Start	4961	End	9290
Name	OJ990818_07.9920.C1.o2.ts	Method	TBLASTX:Soybean
Start	5474	End	7540
GI	none	Score	69
Exons	5474..5554, 5527..5694, 5618..5680, 5952..6113, 5952..6113, 7454..7540, 7459..7539		

Seq. No.	35197	Seq. ID	OJ990818_07.9920.C1
Gene No.	72719	Strand	
Start	4961	End	9290
Name	OJ990818_07.9920.C1.o1.ts	Method	TBLASTX:Soybean
Start	8003	End	9117
GI	none	Score	58
Exons	8003..8089, 8009..8092, 8010..8108, 8010..8090, 8167..8331, 8178..8330, 8449..8502, 8633..8722, 8638..8721, 8752..8808, 8977..9117		

Seq. No.	35197	Seq. ID	OJ990818_07.9920.C1
Gene No.	72719	Strand	
Start	4961	End	9290
Name	OJ990818_07.9920.C1.o1.tw	Method	TBLASTX:Wheat
Start	8037	End	8767
GI	none	Score	100
Exons	8037..8108, 8037..8090, 8038..8091, 8167..8331, 8178..8330,		

8444..8509, 8451..8507, 8452..8508, 8633..8725, 8638..8736, 8639..8746, 8641..8748, 8744..8767

Seq. No.	35197	Seq. ID	OJ990818_07.9920.C1
Gene No.	72719	Strand	
Start	4961	End	9290
Name	OJ990818_07.9920.C1.o2.tm	Method	TBLASTX:Maize
Start	8752	End	9290
GI	none	Score	40
Exons	8752..8811, 8767..8796, 8889..9164, 8899..9165, 8932..9186, 9243..9290		

Seq. No.	35198	Seq. ID	OJ990818_07.9920.C2
Gene No.	72720	Strand	-
Start	6417	End	10259
Name	OJ990818_07.9920.C2.o1.np	Method	AAT/NAP
Start	6417	End	10259
GI	81286	Score	187
Exons	6417..6547, 6994..7632, 10154..10259		
GI Descrip.	extensin - Volvox carteri (fragment) gi\|21992\|emb\|CAA46283\| (X65165) extensin [Volvox carteri]		

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72721	Strand	+
Start	940	End	6972
Name	OJ990818_07.9920.C4.o1.gs	Method	GENSCAN
Start	940	End	6737
GI	none	Score	.65
Exons	940..1019, 2269..2365, 4896..5056, 5921..6186, 6421..6489, 6592..6737		

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72721	Strand	+
Start	940	End	6972
Name	OJ990818_07.9920.C4.o1.gp	Method	AAT/GAP
Start	6019	End	6972
GI	2312823	Score	769
Exons	6019..6186, 6275..6337, 6421..6489, 6592..6698, 6921..6972		

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72722	Strand	+
Start	13088	End	14090
Name	OJ990818_07.9920.C4.o3.gs	Method	GENSCAN
Start	13088	End	14090
GI	none	Score	.52
Exons	13088..13238, 13534..13736, 13815..14090		

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72723	Strand	+
Start	17965	End	19011
Name	OJ990818_07.9920.C4.o5.gs	Method	GENSCAN
Start	17965	End	19011
GI	none	Score	.78
Exons	17965..18035, 18119..18278, 18333..18491, 18608..18725, 18890..19011		

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4

Gene No.	72724	Strand	+
Start	21263	End	23813
Name	OJ990818_07.9920.C4.o2.np	Method	AAT/NAP
Start	20144	End	23813
GI	4544450	Score	652
Exons	20144..20198, 21877..22896, 23672..23813		
GI Descrip.	(AC006592) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72724	Strand	+
Start	21263	End	23813
Name	OJ990818_07.9920.C4.o6.gs	Method	GENSCAN
Start	21263	End	22900
GI	none	Score	.79
Exons	21263..22900		

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72725	Strand	+
Start	28568	End	30989
Name	OJ990818_07.9920.C4.o3.np	Method	AAT/NAP
Start	28568	End	30989
GI	849074	Score	73
Exons	28568..28591, 30872..30989		
GI Descrip.	(D50737) B-type cyclin [Nicotiana tabacum]		

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72726	Strand	+
Start	35596	End	36078
Name	OJ990818_07.9920.C4.o8.gs	Method	GENSCAN
Start	35596	End	36078
GI	none	Score	.9
Exons	35596..35747, 35874..36078		

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72727	Strand	-
Start	7932	End	11376
Name	OJ990818_07.9920.C4.o2.gs	Method	GENSCAN
Start	7932	End	11376
GI	none	Score	.65
Exons	7932..7994, 8085..8979, 9296..9636, 11350..11376		

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72727	Strand	-
Start	7932	End	11376
Name	OJ990818_07.9920.C4.o1.np	Method	AAT/NAP
Start	7943	End	8888
GI	4678221	Score	391
Exons	7943..8888		
GI Descrip.	(AC007135) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72727	Strand	-
Start	7932	End	11376
Name	OJ990818_07.9920.C4.o2.gp	Method	AAT/GAP
Start	8595	End	8909
GI	95327_1.R1084	Score	557
Exons	8595..8909		

GI Descrip.	'1707032 2.0e-15 (U80445) coded for by C. elegans cDNA yk13g5.3; coded for by C. elegans cDNA yk21g6.3; coded for by C. elegans cDNA CEMSE18F; coded for by C. elegans cDNA yk126b1.3; coded for by C. elegans cDNA yk65h8.3; coded for by C. elegans cDNA yk65h8'		

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72728	Strand	-
Start	15295	End	16937
Name	OJ990818_07.9920.C4.o3.gp	Method	AAT/GAP
Start	15041	End	15189
GI	uC-osflcyp104c12a1	Score	198
Exons	15041..15189		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 3.0e-29 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72728	Strand	-
Start	15295	End	16937
Name	OJ990818_07.9920.C4.o4.gs	Method	GENSCAN
Start	15295	End	16937
GI	none	Score	72
Exons	15295..15358, 16084..16213, 16591..16783, 16863..16937		

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72729	Strand	-
Start	18128	End	18836
Name	OJ990818_07.9920.C4.o4.gp	Method	AAT/GAP
Start	18128	End	18836
GI	none	Score	1363
Exons	18128..18836		

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72730	Strand	-
Start	25436	End	33328
Name	OJ990818_07.9920.C4.o1.tm	Method	TBLASTX:Maize
Start	17944	End	18706
GI	none	Score	90
Exons	17944..18030, 18109..18204, 18120..18203, 18309..18491, 18312..18437, 18313..18492, 18606..18704, 18608..18706, 18609..18704		

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72730	Strand	-
Start	25436	End	33328
Name	OJ990818_07.9920.C4.o1.ts	Method	TBLASTX:Soybean
Start	18139	End	18751
GI	none	Score	51
Exons	18139..18198, 18313..18492, 18324..18494, 18608..18751, 18609..18695		

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72730	Strand	-
Start	25436	End	33328
Name	OJ990818_07.9920.C4.o1.tc	Method	TBLASTX:Cress
Start	18286	End	18695
GI	none	Score	270

Exons	18286..18348, 18313..18492, 18324..18494, 18608..18694, 18609..18695		
Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72730	Strand	-
Start	25436	End	33328
Name	OJ990818_07.9920.C4.o2.tw	Method	TBLASTX:Wheat
Start	18426	End	18704
GI	none	Score	103
Exons	18426..18491, 18427..18492, 18548..18703, 18608..18694, 18609..18704		
Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72730	Strand	-
Start	25436	End	33328
Name	OJ990818_07.9920.C4.o2.tc	Method	TBLASTX:Cress
Start	21485	End	22564
GI	none	Score	124
Exons	21485..21886, 21509..21946, 21785..21952, 21791..22054, 21863..22234, 21880..22074, 21881..22045, 21921..21962, 21971..22141, 22001..22123, 22061..22234, 22133..22207, 22283..22438, 22451..22564		
Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72730	Strand	-
Start	25436	End	33328
Name	OJ990818_07.9920.C4.o1.tw	Method	TBLASTX:Wheat
Start	21521	End	22585
GI	none	Score	132
Exons	21521..21868, 21971..22192, 22109..22237, 22283..22582, 22283..22438, 22297..22551, 22472..22585		
Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72730	Strand	-
Start	25436	End	33328
Name	OJ990818_07.9920.C4.o2.tm	Method	TBLASTX:Maize
Start	21530	End	22879
GI	none	Score	167
Exons	21530..21844, 21602..21853, 21788..21946, 21863..21946, 21875..21991, 21878..22042, 21968..22201, 21974..22141, 22136..22219, 22271..22492, 22282..22878, 22283..22483, 22283..22879, 22291..22449		
Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72730	Strand	-
Start	25436	End	33328
Name	OJ990818_07.9920.C4.o2.ts	Method	TBLASTX:Soybean
Start	22460	End	22879
GI	none	Score	343
Exons	22460..22879, 22490..22864, 22612..22878		
Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72730	Strand	-
Start	25436	End	33328
Name	OJ990818_07.9920.C4.o3.tc	Method	TBLASTX:Cress
Start	22565	End	22891
GI	none	Score	199

Exons 22565..22891, 22585..22890

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72730	Strand	-
Start	25436	End	33328
Name	OJ990818_07.9920.C4.o7.gs	Method	GENSCAN
Start	25436	End	33328
GI	none	Score	.47
Exons	25436..25618, 30690..30986, 33266..33328		

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72730	Strand	-
Start	25436	End	33328
Name	OJ990818_07.9920.C4.o3.ts	Method	TBLASTX:Soybean
Start	30720	End	30995
GI	none	Score	40
Exons	30720..30764, 30768..30989, 30773..30841, 30863..30988, 30867..30995		

Seq. No.	35199	Seq. ID	OJ990818_07.9920.C4
Gene No.	72730	Strand	-
Start	25436	End	33328
Name	OJ990818_07.9920.C4.o3.tm	Method	TBLASTX:Maize
Start	30783	End	30953
GI	none	Score	165
Exons	30783..30938, 30788..30934, 30861..30938, 30862..30939, 30933..30953		

Seq. No.	35200	Seq. ID	OJ990818_07.9920.C5
Gene No.	72731	Strand	+
Start	159	End	503
Name	OJ990818_07.9920.C5.o1.gs	Method	GENSCAN
Start	159	End	503
GI	none	Score	.99
Exons	159..503		

Seq. No.	35200	Seq. ID	OJ990818_07.9920.C5
Gene No.	72732	Strand	+
Start	4324	End	11269
Name	OJ990818_07.9920.C5.o1.np	Method	AAT/NAP
Start	4022	End	4833
GI	5921832	Score	226
Exons	4022..4123, 4393..4599, 4633..4833		
GI Descrip.	COPPER TRANSPORTER 1 gi\|1082054\|emb\|CAA90018\| (Z49859) copper transporter protein [Arabidopsis thaliana]		

Seq. No.	35200	Seq. ID	OJ990818_07.9920.C5
Gene No.	72732	Strand	+
Start	4324	End	11269
Name	OJ990818_07.9920.C5.o3.gs	Method	GENSCAN
Start	4324	End	11269
GI	none	Score	.4
Exons	4324..4810, 6149..6238, 7577..7921, 8586..8605, 10542..10665, 10989..11269		

Seq. No.	35200	Seq. ID	OJ990818_07.9920.C5
Gene No.	72733	Strand	-

Start	997	End	1452
Name	OJ990818_07.9920.C5.o2.gs	Method	GENSCAN
Start	997	End	1452
GI	none	Score	.74
Exons	997..1452		

Seq. No.	35201	Seq. ID	OJ990818_07.9920.C6
Gene No.	72734	Strand	+
Start	919	End	1025
Name	OJ990818_07.9920.C6.o1.gs	Method	GENSCAN
Start	919	End	1025
GI	none	Score	.97
Exons	919..1025		

Seq. No.	35201	Seq. ID	OJ990818_07.9920.C6
Gene No.	72735	Strand	+
Start	1996	End	2636
Name	OJ990818_07.9920.C6.o2.gs	Method	GENSCAN
Start	1996	End	2636
GI	none	Score	.94
Exons	1996..2329, 2620..2636		

Seq. No.	35201	Seq. ID	OJ990818_07.9920.C6
Gene No.	72735	Strand	+
Start	1996	End	2636
Name	OJ990818_07.9920.C6.o1.np	Method	AAT/NAP
Start	1999	End	2343
GI	4895197	Score	242
Exons	1999..2343		
GI Descrip.	(AC007661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35201	Seq. ID	OJ990818_07.9920.C6
Gene No.	72736	Strand	+
Start	5696	End	6486
Name	OJ990818_07.9920.C6.o3.gs	Method	GENSCAN
Start	5696	End	6486
GI	none	Score	.94
Exons	5696..6038, 6458..6486		

Seq. No.	35201	Seq. ID	OJ990818_07.9920.C6
Gene No.	72737	Strand	+
Start	7432	End	8173
Name	OJ990818_07.9920.C6.o2.np	Method	AAT/NAP
Start	7304	End	8173
GI	5306268	Score	415
Exons	7304..7493, 7594..7658, 7731..7914, 8006..8173		
GI Descrip.	(AC006233) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35201	Seq. ID	OJ990818_07.9920.C6
Gene No.	72737	Strand	+
Start	7432	End	8173
Name	OJ990818_07.9920.C6.o4.gs	Method	GENSCAN
Start	7432	End	8164
GI	none	Score	1
Exons	7432..7644, 7723..7914, 8006..8164		

Seq. No.	35201	Seq. ID	OJ990818_07.9920.C6

Gene No.	72738	Strand	+
Start	14186	End	16466
Name	OJ990818_07.9920.C6.o6.gs	Method	GENSCAN
Start	14186	End	16466
GI	none	Score	.71
Exons	14186..14450, 14462..14647, 14734..14963, 15982..16090, 16135..16155, 16234..16466		

Seq. No.	35201	Seq. ID	OJ990818_07.9920.C6
Gene No.	72739	Strand	-
Start	9112	End	18368
Name	OJ990818_07.9920.C6.o1.tc	Method	TBLASTX:Cress
Start	2062	End	6069
GI	none	Score	137
Exons	2062..2181, 2091..2174, 2197..2328, 2202..2327, 5776..5877, 5777..5848, 5906..6037, 5917..6069		

Seq. No.	35201	Seq. ID	OJ990818_07.9920.C6
Gene No.	72739	Strand	-
Start	9112	End	18368
Name	OJ990818_07.9920.C6.o1.ts	Method	TBLASTX:Soybean
Start	2062	End	6037
GI	none	Score	38
Exons	2062..2082, 2083..2196, 2197..2328, 2202..2327, 5915..6037, 5920..6036		

Seq. No.	35201	Seq. ID	OJ990818_07.9920.C6
Gene No.	72739	Strand	-
Start	9112	End	18368
Name	OJ990818_07.9920.C6.o1.tw	Method	TBLASTX:Wheat
Start	2062	End	6078
GI	none	Score	181
Exons	2062..2196, 2091..2192, 2131..2328, 2197..2235, 2199..2327, 5776..5919, 5777..5920, 5906..6037, 5908..6069, 5908..6078		

Seq. No.	35201	Seq. ID	OJ990818_07.9920.C6
Gene No.	72739	Strand	-
Start	9112	End	18368
Name	OJ990818_07.9920.C6.o1.tm	Method	TBLASTX:Maize
Start	2065	End	6039
GI	none	Score	402
Exons	2065..2328, 2085..2327, 5776..5913, 5777..5851, 5906..6037, 5908..6039, 5917..6036, 5966..6037		

Seq. No.	35201	Seq. ID	OJ990818_07.9920.C6
Gene No.	72739	Strand	-
Start	9112	End	18368
Name	OJ990818_07.9920.C6.o2.tm	Method	TBLASTX:Maize
Start	7518	End	8086
GI	none	Score	140
Exons	7518..7646, 7564..7665, 7705..7737, 7783..7917, 7785..7916, 7997..8086, 8005..8085		

Seq. No.	35201	Seq. ID	OJ990818_07.9920.C6
Gene No.	72739	Strand	-
Start	9112	End	18368
Name	OJ990818_07.9920.C6.o2.tc	Method	TBLASTX:Cress

Start	7594	End	7917
GI	none	Score	79
Exons	7594..7647, 7783..7917, 7785..7916		

Seq. No.	35201	Seq. ID	OJ990818_07.9920.C6
Gene No.	72739	Strand	-
Start	9112	End	18368
Name	OJ990818_07.9920.C6.o3.np	Method	AAT/NAP
Start	8913	End	13419
GI	5763821	Score	800
Exons	8913..9023, 9132..9198, 9675..9885, 9961..10037, 10241..10306, 10430..10478, 10900..10950, 11027..11079, 11202..11253, 11326..11414, 11509..11594, 11757..11810, 11938..12127, 13197..13419		
GI Descrip.	(AJ238590) E2F protein [Triticum sp.]		

Seq. No.	35201	Seq. ID	OJ990818_07.9920.C6
Gene No.	72739	Strand	-
Start	9112	End	18368
Name	OJ990818_07.9920.C6.o5.gs	Method	GENSCAN
Start	9112	End	13422
GI	none	Score	82
Exons	9112..9198, 9675..9920, 10241..10306, 10430..10478, 10900..10950, 11027..11116, 11326..11453, 13234..13422		

Seq. No.	35201	Seq. ID	OJ990818_07.9920.C6
Gene No.	72739	Strand	-
Start	9112	End	18368
Name	OJ990818_07.9920.C6.o4.np	Method	AAT/NAP
Start	11483	End	18368
GI	2781362	Score	116
Exons	11483..11504, 13502..13626, 13657..13774, 14319..14796, 16661..16900, 18298..18368		
GI Descrip.	(AC003113) F24O1.18 [Arabidopsis thaliana] gi\|5454187\|gb\|AAD43602.1\|AC005698_1 (AC005698) T3P18.1 [Arabidopsis thaliana]		

Seq. No.	35201	Seq. ID	OJ990818_07.9920.C6
Gene No.	72739	Strand	-
Start	9112	End	18368
Name	OJ990818_07.9920.C6.o7.gs	Method	GENSCAN
Start	17792	End	17992
GI	none	Score	.95
Exons	17792..17861, 17916..17992		

Seq. No.	35202	Seq. ID	OJ990818_07.9920.C7
Gene No.	72740	Strand	+
Start	64	End	3344
Name	OJ990818_07.9920.C7.o1.np	Method	AAT/NAP
Start	64	End	3341
GI	3328221	Score	778
Exons	64..256, 351..425, 911..993, 1089..1168, 1916..2004, 2724..2759, 2901..3014, 3228..3341		
GI Descrip.	(AF076920) thioredoxin peroxidase [Secale cereale]		

Seq. No.	35202	Seq. ID	OJ990818_07.9920.C7
Gene No.	72740	Strand	+

Start	64	End	3344
Name	OJ990818_07.9920.C7.o1.gs	Method	GENSCAN
Start	118	End	3344
GI	none	Score	.54
Exons	118..256, 351..559, 906..1168, 2901..3014, 3228..3344		

Seq. No.	35202	Seq. ID	OJ990818_07.9920.C7
Gene No.	72741	Strand	-
Start	3277	End	3493
Name	OJ990818_07.9920.C7.o1.ts	Method	TBLASTX:Soybean
Start	345	End	3353
GI	none	Score	104
Exons	345..428, 353..427, 911..940, 930..1010, 932..1006, 1066..1167, 1069..1167, 1073..1168, 1073..1180, 1915..1974, 1916..1975, 1975..2010, 2897..2980, 2897..2980, 2898..3014, 2898..2996, 3225..3353, 3226..3333, 3227..3334		

Seq. No.	35202	Seq. ID	OJ990818_07.9920.C7
Gene No.	72741	Strand	-
Start	3277	End	3493
Name	OJ990818_07.9920.C7.o1.tc	Method	TBLASTX:Cress
Start	353	End	3493
GI	none	Score	118
Exons	353..427, 354..428, 908..940, 930..1010, 932..1006, 942..1007, 1069..1176, 1073..1168, 1079..1180, 1915..1974, 1916..1975, 1975..2010, 1983..2006, 2897..2980, 2898..3014, 3225..3389, 3227..3352, 3416..3493		

Seq. No.	35202	Seq. ID	OJ990818_07.9920.C7
Gene No.	72741	Strand	-
Start	3277	End	3493
Name	OJ990818_07.9920.C7.o1.tm	Method	TBLASTX:Maize
Start	353	End	3347
GI	none	Score	113
Exons	353..427, 354..428, 354..428, 911..940, 930..1010, 932..994, 1069..1167, 1073..1168, 1079..1180, 1915..1971, 1916..1972, 1970..2005, 1972..2010, 2889..3014, 2898..3014, 2899..3015, 2899..3018, 2900..3028, 3225..3347, 3227..3346		

Seq. No.	35202	Seq. ID	OJ990818_07.9920.C7
Gene No.	72741	Strand	-
Start	3277	End	3493
Name	OJ990818_07.9920.C7.o1.gp	Method	AAT/GAP
Start	3277	End	3474
GI	none	Score	346
Exons	3277..3474		

Seq. No.	35203	Seq. ID	OJ990818_07.9920.C8
Gene No.	72742	Strand	+
Start	3909	End	7068
Name	OJ990818_07.9920.C8.o1.np	Method	AAT/NAP
Start	3909	End	7062
GI	4886278	Score	1200
Exons	3909..4479, 4555..4630, 4658..5308, 5806..5884, 5959..6867, 6898..7062		
GI Descrip.	(AL050300) putative protein [Arabidopsis thaliana]		

Seq. No.	35203	Seq. ID	OJ990818_07.9920.C8
Gene No.	72742	Strand	+
Start	3909	End	7068
Name	OJ990818_07.9920.C8.o2.gs	Method	GENSCAN
Start	3909	End	7068
GI	none	Score	.72
Exons	3909..5185, 5629..5872, 5956..7068		

Seq. No.	35203	Seq. ID	OJ990818_07.9920.C8
Gene No.	72743	Strand	-
Start	745	End	1375
Name	OJ990818_07.9920.C8.o1.gs	Method	GENSCAN
Start	745	End	1375
GI	none	Score	.88
Exons	745..752, 1014..1083, 1235..1375		

Seq. No.	35203	Seq. ID	OJ990818_07.9920.C8
Gene No.	72744	Strand	
Start	3906	End	5138
Name	OJ990818_07.9920.C8.o1.tc	Method	TBLASTX:Cress
Start	3906	End	4150
GI	none	Score	157
Exons	3906..4088, 4088..4150, 4089..4145		

Seq. No.	35203	Seq. ID	OJ990818_07.9920.C8
Gene No.	72744	Strand	
Start	3906	End	5138
Name	OJ990818_07.9920.C8.o1.ts	Method	TBLASTX:Soybean
Start	3906	End	5138
GI	none	Score	176
Exons	3906..4088, 4088..4180, 4089..4145, 4223..4405, 4224..4406, 5034..5138		

Seq. No.	35203	Seq. ID	OJ990818_07.9920.C8
Gene No.	72744	Strand	
Start	3906	End	5138
Name	OJ990818_07.9920.C8.o1.tm	Method	TBLASTX:Maize
Start	3909	End	4321
GI	none	Score	195
Exons	3909..4043, 3911..4042, 4028..4159, 4050..4145, 4215..4307, 4220..4321		

Seq. No.	35203	Seq. ID	OJ990818_07.9920.C8
Gene No.	72745	Strand	
Start	6259	End	6870
Name	OJ990818_07.9920.C8.o2.ts	Method	TBLASTX:Soybean
Start	6259	End	6507
GI	none	Score	183
Exons	6259..6393, 6315..6386, 6406..6507, 6411..6506		

Seq. No.	35203	Seq. ID	OJ990818_07.9920.C8
Gene No.	72745	Strand	
Start	6259	End	6870
Name	OJ990818_07.9920.C8.o2.tm	Method	TBLASTX:Maize
Start	6358	End	6870
GI	none	Score	50
Exons	6358..6399, 6385..6534, 6420..6515, 6634..6870, 6663..6851		

Seq. No.	35204	Seq. ID	OJ990818_07.9920.C11
Gene No.	72746	Strand	+
Start	1153	End	1724
Name	OJ990818_07.9920.C11.o1.gs	Method	GENSCAN
Start	1153	End	1724
GI	none	Score	.62
Exons	1153..1334, 1384..1425, 1685..1724		

Seq. No.	35205	Seq. ID	OJ990818_07.9920.C12
Gene No.	72747	Strand	-
Start	229	End	598
Name	OJ990818_07.9920.C12.o1.np	Method	AAT/NAP
Start	229	End	598
GI	1346840	Score	104
Exons	229..388, 575..598		
GI Descrip.	PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) gi\|1363615\|pir\|\|S58531 photosystem II protein D1 - maize chloroplast gi\|902201\|emb\|CAA60265\| (X86563) PSII 32 KDa protein [Zea mays]		

Seq. No.	35206	Seq. ID	OJ990818_07.9920.C13
Gene No.	72748	Strand	+
Start	1	End	778
Name	OJ990818_07.9920.C13.o1.np	Method	AAT/NAP
Start	1	End	778
GI	4335720	Score	367
Exons	1..778		
GI Descrip.	(AC006248) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	35206	Seq. ID	OJ990818_07.9920.C13
Gene No.	72748	Strand	-
Start	1	End	778
Name	OJ990818_07.9920.C13.o1.tm	Method	TBLASTX:Maize
Start	9	End	404
GI	none	Score	40
Exons	9..71, 14..67, 99..404, 102..395, 104..403		

Seq. No.	35206	Seq. ID	OJ990818_07.9920.C13
Gene No.	72748	Strand	-
Start	1	End	778
Name	OJ990818_07.9920.C13.o1.tw	Method	TBLASTX:Wheat
Start	204	End	511
GI	none	Score	54
Exons	204..407, 310..405, 392..511		

Seq. No.	35207	Seq. ID	OJ990528_26.9A03.C1
Gene No.	72749	Strand	+
Start	318	End	497
Name	OJ990528_26.9A03.C1.o1.gs	Method	GENSCAN
Start	318	End	497
GI	none	Score	.6
Exons	318..497		

Seq. No.	35208	Seq. ID	OJ990528_26.9A03.C2
Gene No.	72750	Strand	+

Start	171	End	395
Name	OJ990528_26.9A03.C2.o1.gp	Method	AAT/GAP
Start	171	End	341
GI	LIB3433-019-P1-K1-G3	Score	273
Exons	171..341		
GI Descrip.	'3021267/emb\|CAA18462.1\| 3.0e-29 (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	35208	Seq. ID	OJ990528_26.9A03.C2
Gene No.	72750	Strand	+
Start	171	End	395
Name	OJ990528_26.9A03.C2.o1.gs	Method	GENSCAN
Start	193	End	395
GI	none	Score	.59
Exons	193..395		

Seq. No.	35208	Seq. ID	OJ990528_26.9A03.C2
Gene No.	72751	Strand	-
Start	1	End	691
Name	OJ990528_26.9A03.C2.o1.np	Method	AAT/NAP
Start	1	End	691
GI	3021265	Score	212
Exons	1..35, 291..359, 479..691		
GI Descrip.	(AL022347) protein kinase-like protein [Arabidopsis thaliana] gi\|3292839\|emb\|CAA19829.1\| (AL031018) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	35208	Seq. ID	OJ990528_26.9A03.C2
Gene No.	72751	Strand	-
Start	1	End	691
Name	OJ990528_26.9A03.C2.o1.tc	Method	TBLASTX:Cress
Start	447	End	690
GI	none	Score	100
Exons	447..689, 477..689, 478..690		

Seq. No.	35208	Seq. ID	OJ990528_26.9A03.C2
Gene No.	72751	Strand	-
Start	1	End	691
Name	OJ990528_26.9A03.C2.o1.tw	Method	TBLASTX:Wheat
Start	465	End	690
GI	none	Score	86
Exons	465..689, 471..689, 493..690		

Seq. No.	35208	Seq. ID	OJ990528_26.9A03.C2
Gene No.	72751	Strand	-
Start	1	End	691
Name	OJ990528_26.9A03.C2.o1.ts	Method	TBLASTX:Soybean
Start	468	End	690
GI	none	Score	135
Exons	468..689, 493..690		

Seq. No.	35208	Seq. ID	OJ990528_26.9A03.C2
Gene No.	72751	Strand	-
Start	1	End	691
Name	OJ990528_26.9A03.C2.o1.tm	Method	TBLASTX:Maize
Start	480	End	691
GI	none	Score	142

Exons	480..677, 480..689, 481..690, 485..691		
Seq. No.	35209	Seq. ID	OJ990528_26.9A03.C3
Gene No.	72752	Strand	-
Start	84	End	167
Name	OJ990528_26.9A03.C3.o1.gs	Method	GENSCAN
Start	84	End	167
GI	none	Score	.64
Exons	84..167		
Seq. No.	35210	Seq. ID	OJ990528_26.9A03.C4
Gene No.	72753	Strand	+
Start	122	End	336
Name	OJ990528_26.9A03.C4.o1.gs	Method	GENSCAN
Start	122	End	336
GI	none	Score	.73
Exons	122..336		
Seq. No.	35211	Seq. ID	OJ990528_26.9A03.C6
Gene No.	72754	Strand	+
Start	3297	End	5919
Name	OJ990528_26.9A03.C6.o1.gs	Method	GENSCAN
Start	3297	End	5919
GI	none	Score	.61
Exons	3297..3410, 4601..4633, 5532..5636, 5779..5919		
Seq. No.	35211	Seq. ID	OJ990528_26.9A03.C6
Gene No.	72755	Strand	+
Start	6490	End	7852
Name	OJ990528_26.9A03.C6.o2.np	Method	AAT/NAP
Start	6171	End	7852
GI	6907086	Score	1366
Exons	6171..6943, 7004..7238, 7454..7510, 7624..7852		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	35211	Seq. ID	OJ990528_26.9A03.C6
Gene No.	72755	Strand	+
Start	6490	End	7852
Name	OJ990528_26.9A03.C6.o2.gs	Method	GENSCAN
Start	6490	End	6798
GI	none	Score	.87
Exons	6490..6798		
Seq. No.	35211	Seq. ID	OJ990528_26.9A03.C6
Gene No.	72756	Strand	-
Start	2654	End	4079
Name	OJ990528_26.9A03.C6.o1.np	Method	AAT/NAP
Start	2654	End	4079
GI	5852084	Score	72
Exons	2654..2737, 4051..4079		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		
Seq. No.	35211	Seq. ID	OJ990528_26.9A03.C6
Gene No.	72757	Strand	-
Start	7481	End	7660
Name	OJ990528_26.9A03.C6.o3.gs	Method	GENSCAN
Start	7481	End	7660

GI	none	Score	.82
Exons	7481..7660		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72758	Strand	+
Start	6993	End	7168
Name	OJ990528_26.9A03.C7.o1.gp	Method	AAT/GAP
Start	6993	End	7168
GI	2800454	Score	242
Exons	6993..7168		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72759	Strand	+
Start	8637	End	13472
Name	OJ990528_26.9A03.C7.o2.gs	Method	GENSCAN
Start	8637	End	13169
GI	none	Score	.73
Exons	8637..9649, 10179..10258, 10758..11198, 13081..13169		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72759	Strand	+
Start	8637	End	13472
Name	OJ990528_26.9A03.C7.o2.np	Method	AAT/NAP
Start	9037	End	13472
GI	5107823	Score	169
Exons	9037..9062, 10775..11143, 13420..13472		
GI Descrip.	(AF149413) contains similarity to leucine rich repeats (Pfam PF00560, Score=225.3, E=9.2e-64, N=12); may be a pseudogene [Arabidopsis thaliana]		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72760	Strand	+
Start	14331	End	15017
Name	OJ990528_26.9A03.C7.o3.gs	Method	GENSCAN
Start	14331	End	15017
GI	none	Score	.71
Exons	14331..15017		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72761	Strand	-
Start	1262	End	6961
Name	OJ990528_26.9A03.C7.o1.gs	Method	GENSCAN
Start	1262	End	6961
GI	none	Score	.55
Exons	1262..4417, 4730..4929, 5392..6961		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72761	Strand	-
Start	1262	End	6961
Name	OJ990528_26.9A03.C7.o1.np	Method	AAT/NAP
Start	1268	End	6945
GI	3777527	Score	2364
Exons	1268..3024, 3109..4400, 4428..4549, 4715..4852, 4988..5127, 5524..5701, 5918..6945		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7

Gene No.	72762	Strand	-
Start	11253	End	13314
Name	OJ990528_26.9A03.C7.o3.np	Method	AAT/NAP
Start	11253	End	13314
GI	6721561	Score	138
Exons	11253..11278, 13224..13314		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72762	Strand	-
Start	11253	End	13314
Name	OJ990528_26.9A03.C7.o2.gp	Method	AAT/GAP
Start	12609	End	12719
GI	uC-osflcyp088b12b1	Score	154
Exons	12609..12719		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72763	Strand	-
Start	13831	End	13911
Name	OJ990528_26.9A03.C7.o3.gp	Method	AAT/GAP
Start	13831	End	13911
GI	LIB3434-017-P1-K1-F5	Score	88
Exons	13831..13911		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72764	Strand	-
Start	14423	End	15306
Name	OJ990528_26.9A03.C7.o2.ts	Method	TBLASTX:Soybean
Start	1241	End	1921
GI	none	Score	71
Exons	1241..1504, 1338..1499, 1532..1921, 1617..1727		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72764	Strand	-
Start	14423	End	15306
Name	OJ990528_26.9A03.C7.o1.tm	Method	TBLASTX:Maize
Start	1283	End	1939
GI	none	Score	277
Exons	1283..1939, 1284..1931		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72764	Strand	-
Start	14423	End	15306
Name	OJ990528_26.9A03.C7.o2.tc	Method	TBLASTX:Cress
Start	1283	End	1942
GI	none	Score	73
Exons	1283..1495, 1514..1648, 1760..1930, 1769..1942		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7

Gene No.	72764	Strand	-
Start	14423	End	15306
Name	OJ990528_26.9A03.C7.o3.tw	Method	TBLASTX:Wheat
Start	1706	End	2122
GI	none	Score	80
Exons	1706..1942, 1707..1931, 1970..2122		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72764	Strand	-
Start	14423	End	15306
Name	OJ990528_26.9A03.C7.o4.ts	Method	TBLASTX:Soybean
Start	1922	End	2150
GI	none	Score	75
Exons	1922..2146, 1983..2150		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72764	Strand	-
Start	14423	End	15306
Name	OJ990528_26.9A03.C7.o3.tm	Method	TBLASTX:Maize
Start	2183	End	2630
GI	none	Score	328
Exons	2183..2629, 2193..2630		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72764	Strand	-
Start	14423	End	15306
Name	OJ990528_26.9A03.C7.o1.ts	Method	TBLASTX:Soybean
Start	2292	End	2861
GI	5509260	Score	316
Exons	2292..2675, 2294..2821, 2694..2861		
GI Descrip.	-		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72764	Strand	-
Start	14423	End	15306
Name	OJ990528_26.9A03.C7.o1.tw	Method	TBLASTX:Wheat
Start	2309	End	2776
GI	none	Score	142
Exons	2309..2653, 2310..2477, 2392..2478, 2508..2645, 2693..2770, 2693..2776		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72764	Strand	-
Start	14423	End	15306
Name	OJ990528_26.9A03.C7.o1.tc	Method	TBLASTX:Cress
Start	2411	End	2677
GI	none	Score	120
Exons	2411..2677, 2412..2672		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72764	Strand	-
Start	14423	End	15306
Name	OJ990528_26.9A03.C7.o2.tm	Method	TBLASTX:Maize
Start	3134	End	3769
GI	none	Score	263
Exons	3134..3286, 3268..3369, 3281..3703, 3282..3611, 3686..3769, 3706..3738		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72764	Strand	-
Start	14423	End	15306
Name	OJ990528_26.9A03.C7.o3.ts	Method	TBLASTX:Soybean
Start	3134	End	3595
GI	none	Score	54
Exons	3134..3262, 3153..3272, 3275..3595, 3291..3584		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72764	Strand	-
Start	14423	End	15306
Name	OJ990528_26.9A03.C7.o3.tc	Method	TBLASTX:Cress
Start	3135	End	3577
GI	none	Score	38
Exons	3135..3272, 3140..3271, 3287..3577, 3356..3553		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72764	Strand	-
Start	14423	End	15306
Name	OJ990528_26.9A03.C7.o2.tw	Method	TBLASTX:Wheat
Start	3437	End	4000
GI	none	Score	96
Exons	3437..3724, 3438..3539, 3452..3727, 3764..4000, 3782..3994		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72764	Strand	-
Start	14423	End	15306
Name	OJ990528_26.9A03.C7.o4.tc	Method	TBLASTX:Cress
Start	10757	End	11134
GI	none	Score	49
Exons	10757..10858, 10763..10858, 10775..10858, 10784..10858, 10874..11089, 10877..11134, 10883..11059, 10886..11089, 10886..11020, 10889..11035, 10898..11092, 10898..11095, 10913..11095, 10913..11089		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72764	Strand	-
Start	14423	End	15306
Name	OJ990528_26.9A03.C7.o4.tm	Method	TBLASTX:Maize
Start	10774	End	11133
GI	none	Score	67
Exons	10774..10851, 10775..10858, 10829..10858, 10865..11104, 10886..11089, 10898..11080, 10900..11133, 10910..11092, 10912..11010, 11059..11091		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72764	Strand	-
Start	14423	End	15306
Name	OJ990528_26.9A03.C7.o5.ts	Method	TBLASTX:Soybean
Start	10874	End	11133
GI	none	Score	185
Exons	10874..11101, 10879..11133, 10886..11110, 10904..11089, 10924..11088, 10952..11089		

Seq. No.	35212	Seq. ID	OJ990528_26.9A03.C7
Gene No.	72764	Strand	-

Start	14423	End	15306
Name	OJ990528_26.9A03.C7.o4.np	Method	AAT/NAP
Start	14423	End	15306
GI	119714	Score	261
Exons	14423..15306		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi\|82169\|pir\|\|S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi\|19867\|emb\|CAA32090\| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	35213	Seq. ID	OJ990528_26.9A03.C8
Gene No.	72765	Strand	-
Start	1	End	3813
Name	OJ990528_26.9A03.C8.o1.np	Method	AAT/NAP
Start	1	End	1242
GI	4680184	Score	291
Exons	1..65, 303..840, 897..1099, 1144..1242		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35213	Seq. ID	OJ990528_26.9A03.C8
Gene No.	72765	Strand	-
Start	1	End	3813
Name	OJ990528_26.9A03.C8.o2.np	Method	AAT/NAP
Start	1	End	2638
GI	6069653	Score	139
Exons	1..36, 311..1097, 2599..2638		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	35213	Seq. ID	OJ990528_26.9A03.C8
Gene No.	72765	Strand	-
Start	1	End	3813
Name	OJ990528_26.9A03.C8.o1.gs	Method	GENSCAN
Start	212	End	757
GI	none	Score	.59
Exons	212..479, 615..757		

Seq. No.	35213	Seq. ID	OJ990528_26.9A03.C8
Gene No.	72765	Strand	-
Start	1	End	3813
Name	OJ990528_26.9A03.C8.o3.np	Method	AAT/NAP
Start	1836	End	3813
GI	4680186	Score	192
Exons	1836..1884, 2501..2660, 3235..3387, 3717..3813		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72766	Strand	+
Start	399	End	9661
Name	OJ990528_26.9A03.C9.o1.gs	Method	GENSCAN
Start	399	End	2572
GI	none	Score	.47
Exons	399..731, 1463..2572		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72766	Strand	+
Start	399	End	9661
Name	OJ990528_26.9A03.C9.o1.np	Method	AAT/NAP

Start	1113	End	9612
GI	2735017	Score	787
Exons	1113..1190, 6695..6863, 7071..7281, 7934..8171, 8635..8785, 9299..9612		
GI Descrip.	(U82481) KI domain interacting kinase 1 [Zea mays]		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72766	Strand	+
Start	399	End	9661
Name	OJ990528_26.9A03.C9.o1.gp	Method	AAT/GAP
Start	2483	End	2684
GI	2796366	Score	391
Exons	2483..2684		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72766	Strand	+
Start	399	End	9661
Name	OJ990528_26.9A03.C9.o2.gs	Method	GENSCAN
Start	4768	End	9661
GI	none	Score	.96
Exons	4768..5599, 6436..6546, 6670..6867, 6988..7019, 7071..7281, 7934..8171, 8635..8785, 9299..9661		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72767	Strand	+
Start	14002	End	14343
Name	OJ990528_26.9A03.C9.o4.gs	Method	GENSCAN
Start	14002	End	14343
GI	none	Score	.99
Exons	14002..14343		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72768	Strand	+
Start	14646	End	14751
Name	OJ990528_26.9A03.C9.o3.gp	Method	AAT/GAP
Start	14646	End	14751
GI	5816518	Score	153
Exons	14646..14751		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72769	Strand	+
Start	16135	End	16305
Name	OJ990528_26.9A03.C9.o5.gs	Method	GENSCAN
Start	16135	End	16305
GI	none	Score	.95
Exons	16135..16305		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72770	Strand	+
Start	20919	End	23075
Name	OJ990528_26.9A03.C9.o7.gs	Method	GENSCAN
Start	20919	End	23075
GI	none	Score	.82
Exons	20919..21111, 21248..21361, 22341..22507, 22920..23075		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72771	Strand	+
Start	31606	End	32151
Name	OJ990528_26.9A03.C9.o10.gs	Method	GENSCAN
Start	31606	End	32151
GI	none	Score	.97
Exons	31606..32151		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72772	Strand	-
Start	1697	End	34478
Name	OJ990528_26.9A03.C9.o3.np	Method	AAT/NAP
Start	1697	End	33527
GI	5734709	Score	176
Exons	1697..1770, 23807..23904, 25353..25521, 25850..26121, 33125..33527		
GI Descrip.	(AC008075) Contains PF\|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72772	Strand	-
Start	1697	End	34478
Name	OJ990528_26.9A03.C9.o1.tm	Method	TBLASTX:Maize
Start	7065	End	8169
GI	none	Score	325
Exons	7065..7280, 7068..7280, 7069..7281, 7091..7282, 7932..8114, 7933..8169, 7933..8163		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72772	Strand	-
Start	1697	End	34478
Name	OJ990528_26.9A03.C9.o1.tc	Method	TBLASTX:Cress
Start	7122	End	8169
GI	none	Score	207
Exons	7122..7280, 7128..7280, 7933..8169, 7954..8148, 8094..8168		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72772	Strand	-
Start	1697	End	34478
Name	OJ990528_26.9A03.C9.o1.tw	Method	TBLASTX:Wheat
Start	7203	End	8163
GI	none	Score	121
Exons	7203..7280, 7921..8163, 7953..8162		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72772	Strand	-
Start	1697	End	34478
Name	OJ990528_26.9A03.C9.o1.ts	Method	TBLASTX:Soybean
Start	7206	End	8737
GI	none	Score	88
Exons	7206..7280, 7933..8169, 7954..8166, 8635..8700, 8636..8737		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72772	Strand	-
Start	1697	End	34478
Name	OJ990528_26.9A03.C9.o2.tm	Method	TBLASTX:Maize
Start	8635	End	9529

GI	none	Score	227
Exons	8635..8700, 8636..8785, 8636..8785, 9278..9352, 9374..9529, 9379..9474		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72772	Strand	-
Start	1697	End	34478
Name	OJ990528_26.9A03.C9.o3.gs	Method	GENSCAN
Start	11554	End	12141
GI	none	Score	.55
Exons	11554..11775, 11995..12141		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72772	Strand	-
Start	1697	End	34478
Name	OJ990528_26.9A03.C9.o2.gp	Method	AAT/GAP
Start	14409	End	14637
GI	3761181	Score	335
Exons	14409..14637		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72772	Strand	-
Start	1697	End	34478
Name	OJ990528_26.9A03.C9.o2.np	Method	AAT/NAP
Start	16151	End	26138
GI	5091513	Score	2633
Exons	16151..16466, 17243..17333, 17486..18343, 19080..19707, 19758..20354, 25638..25758, 25909..26138		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72772	Strand	-
Start	1697	End	34478
Name	OJ990528_26.9A03.C9.o6.gs	Method	GENSCAN
Start	16994	End	20253
GI	none	Score	.45
Exons	16994..17421, 17541..18307, 19088..20253		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72772	Strand	-
Start	1697	End	34478
Name	OJ990528_26.9A03.C9.o4.gp	Method	AAT/GAP
Start	20612	End	20840
GI	3761181	Score	335
Exons	20612..20840		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72772	Strand	-
Start	1697	End	34478
Name	OJ990528_26.9A03.C9.o5.gp	Method	AAT/GAP
Start	20848	End	20954
GI	5816518	Score	145
Exons	20848..20954		

GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72772	Strand	-
Start	1697	End	34478
Name	OJ990528_26.9A03.C9.o8.gs	Method	GENSCAN
Start	23614	End	27201
GI	none	Score	.77
Exons	23614..23787, 24367..24521, 25181..25509, 25567..25816, 25909..26056, 26141..26273, 27119..27201		
Seq. No.	35214	Seq. ID	OJ990528_26.9A03.C9
Gene No.	72772	Strand	-
Start	1697	End	34478
Name	OJ990528_26.9A03.C9.o11.gs	Method	GENSCAN
Start	33111	End	34478
GI	none	Score	.55
Exons	33111..33497, 33595..33727, 34178..34264, 34456..34478		
Seq. No.	35215	Seq. ID	OJ990528_26.9A03.C10
Gene No.	72773	Strand	+
Start	121	End	1161
Name	OJ990528_26.9A03.C10.o1.gs	Method	GENSCAN
Start	121	End	1161
GI	none	Score	.46
Exons	121..174, 709..844, 1094..1161		
Seq. No.	35215	Seq. ID	OJ990528_26.9A03.C10
Gene No.	72774	Strand	-
Start	1498	End	15663
Name	OJ990528_26.9A03.C10.o1.gp	Method	AAT/GAP
Start	1498	End	2033
GI	LIB3431-001-P1-N1-B5	Score	691
Exons	1498..1745, 1851..2033		
GI Descrip.	'4680203/gb\|AAD27566.1\|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	35215	Seq. ID	OJ990528_26.9A03.C10
Gene No.	72774	Strand	-
Start	1498	End	15663
Name	OJ990528_26.9A03.C10.o2.gs	Method	GENSCAN
Start	1629	End	15663
GI	none	Score	.71
Exons	1629..1745, 1860..2022, 2189..2322, 2331..2359, 2442..3276, 3358..3819, 3898..4486, 4720..4856, 6091..6207, 6278..6320, 6741..6783, 6812..6822, 6875..6967, 7307..7708, 8235..8322, 8443..8591, 8867..9253, 10210..10424, 10486..11148, 11332..11419, 11463..11559, 11906..15161, 15448..15506, 15579..15663		
Seq. No.	35215	Seq. ID	OJ990528_26.9A03.C10
Gene No.	72774	Strand	-
Start	1498	End	15663
Name	OJ990528_26.9A03.C10.o2.gp	Method	AAT/GAP
Start	11770	End	13196
GI	5002953	Score	1194

Exons	11770..11917, 12397..12806, 13065..13196		
GI Descrip.	4680203/gb\|AAD27566.1\|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	35215	Seq. ID	OJ990528_26.9A03.C10
Gene No.	72774	Strand	-
Start	1498	End	15663
Name	OJ990528_26.9A03.C10.o2.np	Method	AAT/NAP
Start	11850	End	15155
GI	4680203	Score	2052
Exons	11850..12791, 13068..13298, 13452..13544, 13587..15155		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	35215	Seq. ID	OJ990528_26.9A03.C10
Gene No.	72774	Strand	-
Start	1498	End	15663
Name	OJ990528_26.9A03.C10.o1.tw	Method	TBLASTX:Wheat
Start	11961	End	13181
GI	none	Score	67
Exons	11961..12053, 12054..12158, 12082..12159, 12183..12224, 12183..12221, 12228..12275, 12264..12455, 12280..12417, 12459..12620, 12463..12603, 12639..13181, 12691..13137		

Seq. No.	35215	Seq. ID	OJ990528_26.9A03.C10
Gene No.	72774	Strand	-
Start	1498	End	15663
Name	OJ990528_26.9A03.C10.o2.tc	Method	TBLASTX:Cress
Start	12468	End	12894
GI	none	Score	68
Exons	12468..12620, 12481..12603, 12639..12890, 12691..12894		

Seq. No.	35215	Seq. ID	OJ990528_26.9A03.C10
Gene No.	72774	Strand	-
Start	1498	End	15663
Name	OJ990528_26.9A03.C10.o2.tm	Method	TBLASTX:Maize
Start	12792	End	13277
GI	none	Score	89
Exons	12792..13277, 12799..12948, 13084..13260		

Seq. No.	35215	Seq. ID	OJ990528_26.9A03.C10
Gene No.	72774	Strand	-
Start	1498	End	15663
Name	OJ990528_26.9A03.C10.o4.tw	Method	TBLASTX:Wheat
Start	13185	End	13535
GI	none	Score	66
Exons	13185..13268, 13186..13269, 13305..13535, 13306..13506		

Seq. No.	35215	Seq. ID	OJ990528_26.9A03.C10
Gene No.	72774	Strand	-
Start	1498	End	15663
Name	OJ990528_26.9A03.C10.o3.tm	Method	TBLASTX:Maize
Start	13314	End	13529
GI	none	Score	93
Exons	13314..13376, 13383..13529, 13393..13500		

Seq. No.	35215	Seq. ID	OJ990528_26.9A03.C10
Gene No.	72774	Strand	-

Start	1498	End	15663
Name	OJ990528_26.9A03.C10.o2.ts	Method	TBLASTX:Soybean
Start	13674	End	13908
GI	none	Score	98
Exons	13674..13907, 13753..13908		

Seq. No.	35215	Seq. ID	OJ990528_26.9A03.C10
Gene No.	72774	Strand	-
Start	1498	End	15663
Name	OJ990528_26.9A03.C10.o1.tm	Method	TBLASTX:Maize
Start	13743	End	14186
GI	none	Score	78
Exons	13743..13937, 13941..14186, 13945..14136		

Seq. No.	35215	Seq. ID	OJ990528_26.9A03.C10
Gene No.	72774	Strand	-
Start	1498	End	15663
Name	OJ990528_26.9A03.C10.o2.tw	Method	TBLASTX:Wheat
Start	13777	End	14243
GI	none	Score	102
Exons	13777..13965, 13782..13937, 13906..14076, 13968..14084, 13982..14080, 13983..14093, 14085..14189, 14092..14178, 14190..14243, 14200..14235		

Seq. No.	35215	Seq. ID	OJ990528_26.9A03.C10
Gene No.	72774	Strand	-
Start	1498	End	15663
Name	OJ990528_26.9A03.C10.o1.tc	Method	TBLASTX:Cress
Start	14031	End	14361
GI	none	Score	59
Exons	14031..14360, 14032..14106, 14073..14177, 14128..14187, 14224..14361		

Seq. No.	35215	Seq. ID	OJ990528_26.9A03.C10
Gene No.	72774	Strand	-
Start	1498	End	15663
Name	OJ990528_26.9A03.C10.o1.ts	Method	TBLASTX:Soybean
Start	14109	End	14528
GI	none	Score	105
Exons	14109..14357, 14113..14358, 14407..14526, 14409..14528		

Seq. No.	35215	Seq. ID	OJ990528_26.9A03.C10
Gene No.	72774	Strand	-
Start	1498	End	15663
Name	OJ990528_26.9A03.C10.o3.tw	Method	TBLASTX:Wheat
Start	14256	End	14807
GI	none	Score	64
Exons	14256..14360, 14266..14361, 14407..14568, 14409..14807		

Seq. No.	35216	Seq. ID	OJ990528_26.9A03.C11
Gene No.	72775	Strand	+
Start	64	End	1104
Name	OJ990528_26.9A03.C11.o1.gs	Method	GENSCAN
Start	64	End	1104
GI	none	Score	.52
Exons	64..432, 953..1104		

Seq. No.	35216	Seq. ID	OJ990528_26.9A03.C11
Gene No.	72776	Strand	+
Start	2226	End	5093
Name	OJ990528_26.9A03.C11.o2.gs	Method	GENSCAN
Start	2226	End	5093
GI	none	Score	.55
Exons	2226..2279, 4782..5093		

Seq. No.	35216	Seq. ID	OJ990528_26.9A03.C11
Gene No.	72776	Strand	+
Start	2226	End	5093
Name	OJ990528_26.9A03.C11.o1.gp	Method	AAT/GAP
Start	4391	End	4702
GI	72524_1.R1084	Score	420
Exons	4391..4702		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	35216	Seq. ID	OJ990528_26.9A03.C11
Gene No.	72777	Strand	+
Start	10890	End	16061
Name	OJ990528_26.9A03.C11.o1.np	Method	AAT/NAP
Start	10511	End	16061
GI	3021270	Score	1143
Exons	10511..10610, 10999..11714, 14622..14806, 14888..15098, 15186..15423, 15506..15656, 15759..16061		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	35216	Seq. ID	OJ990528_26.9A03.C11
Gene No.	72777	Strand	+
Start	10890	End	16061
Name	OJ990528_26.9A03.C11.o5.gs	Method	GENSCAN
Start	10890	End	16043
GI	none	Score	.9
Exons	10890..11760, 14676..14806, 14888..15098, 15186..15423, 15506..15656, 15759..16043		

Seq. No.	35216	Seq. ID	OJ990528_26.9A03.C11
Gene No.	72778	Strand	+
Start	16444	End	18805
Name	OJ990528_26.9A03.C11.o2.np	Method	AAT/NAP
Start	16444	End	18805
GI	5922634	Score	139
Exons	16444..16543, 18680..18805		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016867\|dbj\|BAA85210.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	35216	Seq. ID	OJ990528_26.9A03.C11
Gene No.	72778	Strand	+
Start	16444	End	18805
Name	OJ990528_26.9A03.C11.o3.np	Method	AAT/NAP
Start	16781	End	16902
GI	6815099	Score	71
Exons	16781..16902		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	35216	Seq. ID	OJ990528_26.9A03.C11
Gene No.	72779	Strand	-
Start	7913	End	8264
Name	OJ990528_26.9A03.C11.o4.gs	Method	GENSCAN
Start	7913	End	8264
GI	none	Score	.57
Exons	7913..7995, 8135..8264		

Seq. No.	35216	Seq. ID	OJ990528_26.9A03.C11
Gene No.	72780	Strand	-
Start	9839	End	10152
Name	OJ990528_26.9A03.C11.o2.gp	Method	AAT/GAP
Start	9839	End	10152
GI	72524_1.R1084	Score	431
Exons	9839..10152		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	35216	Seq. ID	OJ990528_26.9A03.C11
Gene No.	72781	Strand	-
Start	11614	End	12042
Name	OJ990528_26.9A03.C11.o3.gp	Method	AAT/GAP
Start	11614	End	12042
GI	none	Score	854
Exons	11614..12042		

Seq. No.	35216	Seq. ID	OJ990528_26.9A03.C11
Gene No.	72782	Strand	-
Start	17926	End	19233
Name	OJ990528_26.9A03.C11.o2.tm	Method	TBLASTX:Maize
Start	111	End	11276
GI	none	Score	44
Exons	111..167, 171..374, 10992..11171, 10994..11170, 11226..11276		

Seq. No.	35216	Seq. ID	OJ990528_26.9A03.C11
Gene No.	72782	Strand	-
Start	17926	End	19233
Name	OJ990528_26.9A03.C11.o1.tc	Method	TBLASTX:Cress
Start	11010	End	16000
GI	none	Score	96
Exons	11010..11162, 11484..11543, 14732..14806, 14885..15097, 14887..15084, 14913..15092, 15185..15421, 15241..15420, 15486..15677, 15512..15613, 15771..15968, 15845..16000		

Seq. No.	35216	Seq. ID	OJ990528_26.9A03.C11
Gene No.	72782	Strand	-
Start	17926	End	19233
Name	OJ990528_26.9A03.C11.o1.tm	Method	TBLASTX:Maize
Start	14732	End	15928
GI	none	Score	85
Exons	14732..14806, 14885..15097, 14908..15096, 15203..15421, 15203..15388, 15241..15423, 15506..15613, 15507..15650, 15762..15896, 15791..15928		

Seq. No.	35216	Seq. ID	OJ990528_26.9A03.C11
Gene No.	72782	Strand	-

Start	17926	End	19233
Name	OJ990528_26.9A03.C11.o1.ts	Method	TBLASTX:Soybean
Start	14732	End	16009
GI	none	Score	95
Exons	14732..14806, 14885..15097, 14887..15096, 15185..15421, 15209..15367, 15229..15420, 15489..15653, 15506..15652, 15723..15992, 15756..15893, 15845..16009		

Seq. No.	35216	Seq. ID	OJ990528_26.9A03.C11
Gene No.	72782	Strand	-
Start	17926	End	19233
Name	OJ990528_26.9A03.C11.o2.tw	Method	TBLASTX:Wheat
Start	14885	End	15097
GI	none	Score	228
Exons	14885..15097, 14908..15096		

Seq. No.	35216	Seq. ID	OJ990528_26.9A03.C11
Gene No.	72782	Strand	-
Start	17926	End	19233
Name	OJ990528_26.9A03.C11.o1.tw	Method	TBLASTX:Wheat
Start	15247	End	15650
GI	none	Score	231
Exons	15247..15420, 15248..15421, 15486..15650, 15506..15613		

Seq. No.	35216	Seq. ID	OJ990528_26.9A03.C11
Gene No.	72782	Strand	-
Start	17926	End	19233
Name	OJ990528_26.9A03.C11.o4.np	Method	AAT/NAP
Start	17926	End	19233
GI	6907086	Score	222
Exons	17926..18132, 18380..19233		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72783	Strand	+
Start	1295	End	1720
Name	OJ990528_26.9A03.C12.o1.gp	Method	AAT/GAP
Start	1295	End	1720
GI	4878407	Score	679
Exons	1295..1720		
GI Descrip.	6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72784	Strand	+
Start	3049	End	3423
Name	OJ990528_26.9A03.C12.o2.gp	Method	AAT/GAP
Start	3049	End	3423
GI	5667173	Score	732
Exons	3049..3423		

Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72785	Strand	+
Start	5861	End	7745
Name	OJ990528_26.9A03.C12.o2.gs	Method	GENSCAN
Start	5861	End	7643
GI	none	Score	.81

Exons	5861..6021, 6077..6306, 6699..6936, 7029..7179, 7299..7643		
Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72785	Strand	+
Start	5861	End	7745
Name	OJ990528_26.9A03.C12.o3.gp	Method	AAT/GAP
Start	7288	End	7745
GI	5667174	Score	856
Exons	7288..7745		
GI Descrip.	3021268/emb\|CAA18463.1\| 5.0e-17 (AL022347) putative protein [Arabidopsis thaliana]		
Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72786	Strand	+
Start	8056	End	19240
Name	OJ990528_26.9A03.C12.o3.gs	Method	GENSCAN
Start	8056	End	14768
GI	none	Score	.91
Exons	8056..8878, 9987..10121, 10276..10409, 10491..10758, 10781..11018, 11096..11246, 11349..11637, 14515..14768		
Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72786	Strand	+
Start	8056	End	19240
Name	OJ990528_26.9A03.C12.o1.np	Method	AAT/NAP
Start	8062	End	19237
GI	4530126	Score	1103
Exons	8062..8896, 10020..10101, 10265..10409, 10491..10701, 18342..18579, 18655..18805, 18902..19237		
GI Descrip.	(AF078082) receptor-like protein kinase homolog RK20-1 [Phaseolus vulgaris]		
Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72786	Strand	+
Start	8056	End	19240
Name	OJ990528_26.9A03.C12.o4.gp	Method	AAT/GAP
Start	11112	End	11560
GI	429002	Score	552
Exons	11112..11244, 11349..11560		
GI Descrip.	322652/pir\|\|JQ1677 9.0e-22 S-receptor kinase (EC 2.7.1.-) precursor - rape >gi_167181 (M97667) serine/threonine kinase receptor [Brassica napus]		
Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72786	Strand	+
Start	8056	End	19240
Name	OJ990528_26.9A03.C12.o5.gp	Method	AAT/GAP
Start	11551	End	11948
GI	568488	Score	727
Exons	11551..11948		
Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72786	Strand	+
Start	8056	End	19240
Name	OJ990528_26.9A03.C12.o4.gs	Method	GENSCAN
Start	15342	End	19240
GI	none	Score	.87

Exons	15342..16155, 17374..17508, 17693..17826, 17865..18123, 18342..18579, 18655..18805, 18902..19240		
Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72786	Strand	+
Start	8056	End	19240
Name	OJ990528_26.9A03.C12.o6.gp	Method	AAT/GAP
Start	18543	End	19113
GI	429002	Score	701
Exons	18543..18579, 18655..18803, 18902..19113		
GI Descrip.	322652/pir\|\|JQ1677 9.0e-22 S-receptor kinase (EC 2.7.1.-) precursor - rape >gi_167181 (M97667) serine/threonine kinase receptor [Brassica napus]		
Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72787	Strand	+
Start	23808	End	23888
Name	OJ990528_26.9A03.C12.o7.gp	Method	AAT/GAP
Start	23808	End	23888
GI	90742_1.R1084	Score	102
Exons	23808..23888		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72788	Strand	-
Start	373	End	3830
Name	OJ990528_26.9A03.C12.o1.gs	Method	GENSCAN
Start	373	End	3830
GI	none	Score	.65
Exons	373..527, 666..903, 1043..1266, 1424..1527, 1831..2020, 2124..2234, 3119..3152, 3225..3830		
Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72789	Strand	-
Start	19187	End	22532
Name	OJ990528_26.9A03.C12.o2.tm	Method	TBLASTX:Maize
Start	3212	End	15707
GI	none	Score	116
Exons	3212..3358, 3222..3353, 3399..3458, 8140..8214, 8263..8301, 8305..8403, 15434..15601, 15435..15605, 15609..15707		
Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72789	Strand	-
Start	19187	End	22532
Name	OJ990528_26.9A03.C12.o2.ts	Method	TBLASTX:Soybean
Start	3399	End	16109
GI	none	Score	67
Exons	3399..3488, 3672..3752, 3759..3857, 8263..8433, 8554..8796, 8613..8771, 15621..15737, 15927..16109		
Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72789	Strand	-
Start	19187	End	22532
Name	OJ990528_26.9A03.C12.o1.tc	Method	TBLASTX:Cress
Start	3669	End	21601
GI	none	Score	80

Exons 3669..3731, 5915..6004, 6081..6137, 6153..6305, 6698..6892, 6718..6876, 6722..6931, 6723..6932, 6723..6974, 7033..7140, 7041..7139, 7359..7508, 8272..8415, 8536..8676, 10295..10408, 10296..10409, 10357..10410, 10488..10700, 10488..10664, 10490..10687, 10774..11016, 10799..11029, 10821..11015, 11096..11203, 11100..11261, 11108..11182, 11361..11510, 11432..11572, 15447..15593, 15702..15746, 15930..16079, 17712..17825, 17713..17826, 17901..18122, 17912..18109, 18269..18577, 18340..18576, 18360..18593, 18658..18762, 18659..18787, 18667..18765, 18914..19087, 18985..19125, 20274..20423, 20276..20482, 20582..20734, 20631..20732, 20842..21111, 20843..21058, 20869..21078, 21186..21410, 21199..21408, 21493..21582, 21497..21601

Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72789	Strand	-
Start	19187	End	22532
Name	OJ990528_26.9A03.C12.o1.tm	Method	TBLASTX:Maize
Start	5915	End	21579
GI	none	Score	108

Exons 5915..6004, 6081..6137, 6153..6305, 6718..6873, 6719..6892, 7029..7172, 7030..7173, 7359..7460, 10325..10402, 10326..10409, 10488..10700, 10490..10699, 10801..11016, 10824..11018, 11096..11188, 11097..11240, 11352..11510, 11421..11510, 17742..17819, 17743..17826, 17910..18122, 17912..18121, 18295..18579, 18362..18577, 18366..18593, 18655..18771, 18656..18799, 18905..19072, 18974..19063, 20273..20344, 20324..20491, 20325..20492, 20594..20737, 20631..20738, 20840..21058, 20842..21057, 21198..21410, 21198..21410, 21488..21556, 21491..21574, 21493..21579

Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72789	Strand	-
Start	19187	End	22532
Name	OJ990528_26.9A03.C12.o1.ts	Method	TBLASTX:Soybean
Start	5918	End	21592
GI	none	Score	102

Exons 5918..6004, 6081..6134, 6089..6133, 6147..6305, 6153..6305, 6166..6312, 6698..6886, 6722..6871, 6724..6873, 7029..7136, 7030..7176, 7359..7517, 7599..7643, 10286..10408, 10293..10409, 10488..10727, 10490..10699, 10774..11016, 10821..11015, 11096..11188, 11097..11243, 11332..11466, 11334..11510, 11352..11582, 11622..11696, 17703..17825, 17704..17826, 17910..18131, 17912..18121, 18284..18577, 18340..18576, 18395..18595, 18608..18745, 18655..18762, 18656..18802, 18893..19087, 18905..19105, 19166..19240, 20283..20513, 20288..20491, 20591..20737, 20592..20738, 20842..21078, 20888..21058, 21186..21410, 21211..21408, 21493..21573, 21497..21592

Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72789	Strand	-
Start	19187	End	22532
Name	OJ990528_26.9A03.C12.o2.tw	Method	TBLASTX:Wheat
Start	6087	End	21410
GI	none	Score	59

Exons 6087..6140, 6138..6305, 6698..6760, 10488..10700, 10488..10688,

10490..10699, 10774..10842, 17910..18122, 17912..18139,
18269..18403, 21016..21078, 21183..21410, 21189..21410

Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72789	Strand	-
Start	19187	End	22532
Name	OJ990528_26.9A03.C12.o1.tw	Method	TBLASTX:Wheat
Start	6761	End	21016
GI	none	Score	179
Exons	6761..6895, 6763..6873, 6770..6934, 7029..7142, 7030..7173, 10842..11015, 10843..11016, 11096..11188, 11097..11240, 18403..18576, 18404..18577, 18655..18780, 18656..18799, 20618..20737, 20631..20738, 20842..21009, 20842..21015, 20843..21016		

Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72789	Strand	-
Start	19187	End	22532
Name	OJ990528_26.9A03.C12.o2.np	Method	AAT/NAP
Start	19187	End	21603
GI	3021270	Score	844
Exons	19187..19225, 20220..20494, 20588..20738, 20840..21077, 21197..21407, 21490..21603		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	35217	Seq. ID	OJ990528_26.9A03.C12
Gene No.	72789	Strand	-
Start	19187	End	22532
Name	OJ990528_26.9A03.C12.o5.gs	Method	GENSCAN
Start	20130	End	22532
GI	none	Score	.87
Exons	20130..20494, 20588..20738, 20977..21077, 21197..21407, 21490..21629, 21709..21846, 22457..22532		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72790	Strand	+
Start	2682	End	11137
Name	OJ990528_26.9A03.C13.o1.np	Method	AAT/NAP
Start	2596	End	11134
GI	4530126	Score	962
Exons	2596..3450, 3579..3690, 3774..3906, 3979..4189, 4595..4832, 4908..5061, 10802..11134		
GI Descrip.	(AF078082) receptor-like protein kinase homolog RK20-1 [Phaseolus vulgaris]		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72790	Strand	+
Start	2682	End	11137
Name	OJ990528_26.9A03.C13.o2.gs	Method	GENSCAN
Start	2682	End	7368
GI	none	Score	.77
Exons	2682..3444, 3564..3686, 4592..4832, 4908..5061, 5377..5617, 6051..6106, 6634..6746, 6771..6871, 7092..7180, 7255..7368		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72790	Strand	+

Start	2682	End	11137
Name	OJ990528_26.9A03.C13.o3.gs	Method	GENSCAN
Start	8189	End	11137
GI	none	Score	.76
Exons	8189..8616, 8702..9126, 9238..9363, 9439..9560, 9658..9868, 10200..10437, 10513..10660, 10802..11137		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72790	Strand	+
Start	2682	End	11137
Name	OJ990528_26.9A03.C13.o1.gp	Method	AAT/GAP
Start	8911	End	9183
GI	LIB3433-019-P1-K1-G3	Score	514
Exons	8911..9183		
GI Descrip.	'3021267/emb\|CAA18462.1\| 3.0e-29 (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72790	Strand	+
Start	2682	End	11137
Name	OJ990528_26.9A03.C13.o2.gp	Method	AAT/GAP
Start	9530	End	10318
GI	426284	Score	639
Exons	9530..9560, 9658..9868, 10200..10318		
GI Descrip.	3021267/emb\|CAA18462.1\| 3.0e-29 (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72791	Strand	-
Start	1058	End	2199
Name	OJ990528_26.9A03.C13.o1.gs	Method	GENSCAN
Start	1058	End	2199
GI	none	Score	.91
Exons	1058..1083, 1371..2199		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72792	Strand	-
Start	11846	End	13963
Name	OJ990528_26.9A03.C13.o4.gs	Method	GENSCAN
Start	11846	End	13850
GI	none	Score	.84
Exons	11846..11904, 11984..12238, 12368..13660, 13778..13850		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72792	Strand	-
Start	11846	End	13963
Name	OJ990528_26.9A03.C13.o2.np	Method	AAT/NAP
Start	11973	End	13963
GI	4455206	Score	900
Exons	11973..12247, 12599..12856, 12920..13646, 13892..13963		
GI Descrip.	(AL035440) putative beta-1, 3-glucanase [Arabidopsis thaliana]		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72792	Strand	-
Start	11846	End	13963
Name	OJ990528_26.9A03.C13.o3.gp	Method	AAT/GAP
Start	12144	End	12698

GI	83489_1.R1084	Score	821
Exons	12144..12238, 12368..12698		
GI Descrip.	'4558591/gb\|AAD22663.1\|AC006555_1 1.0e-25 (AC006555) putative beta-1,3-glucanase [Arabidopsis thaliana] >gi_4662638_gb_AAD26909.1_AC007233_1 (AC007233) putative beta-1,3-glucanase [Arabidopsis thaliana]'		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72792	Strand	-
Start	11846	End	13963
Name	OJ990528_26.9A03.C13.o4.gp	Method	AAT/GAP
Start	13262	End	13891
GI	431_1.R1084	Score	824
Exons	13262..13657, 13778..13891		
GI Descrip.	'2160314/dbj\|BAA18905\| 3.0e-50 (D25236) possible 1-3,1-4-beta-glucanase coding sequence [Oryza sativa]'		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72793	Strand	-
Start	15062	End	21229
Name	OJ990528_26.9A03.C13.o5.gs	Method	GENSCAN
Start	15062	End	20122
GI	none	Score	89
Exons	15062..15123, 15338..15539, 15979..16150, 16300..16389, 17187..17449, 17564..17717, 17809..18046, 18170..18380, 18465..18604, 19282..20122		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72793	Strand	-
Start	15062	End	21229
Name	OJ990528_26.9A03.C13.o3.np	Method	AAT/NAP
Start	17133	End	21229
GI	3021270	Score	1034
Exons	17133..17449, 17564..17717, 17809..18046, 18170..18380, 18465..18583, 19219..20076, 21169..21229		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72793	Strand	-
Start	15062	End	21229
Name	OJ990528_26.9A03.C13.o5.gp	Method	AAT/GAP
Start	17654	End	18523
GI	LIB3434-015-P1-K1-E8	Score	1048
Exons	17654..17717, 17809..18046, 18170..18380, 18465..18523		
GI Descrip.	'322652/pir\|\|JQ1677 9.0e-22 S-receptor kinase (EC 2.7.1.-) precursor - rape >gi_167181 (M97667) serine/threonine kinase receptor [Brassica napus]'		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72793	Strand	-
Start	15062	End	21229
Name	OJ990528_26.9A03.C13.o6.gp	Method	AAT/GAP
Start	19845	End	20202
GI	700286	Score	619
Exons	19845..20202		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72794	Strand	-
Start	21650	End	24327
Name	OJ990528_26.9A03.C13.o1.tc	Method	TBLASTX:Cress
Start	1453	End	23954
GI	none	Score	97
Exons	1453..1617, 1774..1965, 3817..3906, 3822..3932, 3967..4188, 3978..4184, 4607..4828, 4615..4830, 4633..4803, 4908..5012, 4912..5013, 4920..5012, 5410..5550, 8874..8936, 9450..9572, 9456..9560, 9655..9867, 9657..9863, 10199..10435, 10237..10380, 10517..10618, 10525..10617, 10874..11011, 10885..11010, 17193..17420, 17228..17437, 17582..17740, 17610..17711, 17827..18009, 17838..18047, 18171..18383, 18247..18381, 18465..18527, 18468..18539, 19478..19546, 19739..19978, 19934..20041, 22791..22940, 22792..22917, 23163..23264, 23164..23256, 23357..23593, 23412..23555, 23796..23954, 23800..23904		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72794	Strand	-
Start	21650	End	24327
Name	OJ990528_26.9A03.C13.o4.ts	Method	TBLASTX:Soybean
Start	1471	End	19915
GI	none	Score	110
Exons	1471..1626, 1669..1983, 2035..2094, 3186..3356, 3200..3313, 8291..8332, 8375..8443, 8778..8981, 19367..19651, 19751..19915		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72794	Strand	-
Start	21650	End	24327
Name	OJ990528_26.9A03.C13.o5.tm	Method	TBLASTX:Maize
Start	1885	End	20024
GI	none	Score	185
Exons	1885..2118, 1916..2116, 2689..2760, 2811..2849, 8378..8449, 19814..19927, 19815..19922, 19920..20024, 19922..20023		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72794	Strand	-
Start	21650	End	24327
Name	OJ990528_26.9A03.C13.o2.ts	Method	TBLASTX:Soybean
Start	3820	End	24137
GI	none	Score	107
Exons	3820..3915, 3822..3920, 3970..4188, 3978..4187, 4615..4830, 4635..4775, 4908..5012, 4909..5022, 5407..5565, 5409..5480, 5641..5697, 9450..9560, 9462..9560, 9655..9867, 9657..9866, 10223..10435, 10240..10380, 10513..10617, 10514..10618, 10868..11020, 11096..11128, 17231..17446, 17238..17438, 17579..17716, 17601..17717, 17838..17993, 17838..18047, 17842..18006, 18171..18398, 18247..18381, 18464..18502, 18468..18545, 22788..22940, 23130..23267, 23163..23267, 23164..23268, 23357..23593, 23412..23552, 23796..23927, 23796..23945, 23797..23946, 23953..24003, 23961..24005, 24111..24137		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72794	Strand	-
Start	21650	End	24327

Name	OJ990528_26.9A03.C13.o3.tm	Method	TBLASTX:Maize
Start	3853	End	24137
GI	none	Score	79
Exons	3853..3915, 3855..3899, 3967..4188, 3978..4184, 4079..4192, 9507..9560, 9655..9867, 9657..9863, 9671..9874, 18171..18383, 18247..18381, 18468..18518, 23774..23905, 23796..23954, 23800..23952, 23961..24005, 24111..24137		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72794	Strand	-
Start	21650	End	24327
Name	OJ990528_26.9A03.C13.o4.tw	Method	TBLASTX:Wheat
Start	3973	End	24005
GI	none	Score	201
Exons	3973..4188, 3978..4193, 9655..9867, 9657..9872, 17985..18047, 18171..18383, 18247..18381, 23746..23946, 23796..23945, 23961..24005		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72794	Strand	-
Start	21650	End	24327
Name	OJ990528_26.9A03.C13.o1.tw	Method	TBLASTX:Wheat
Start	4657	End	23530
GI	none	Score	203
Exons	4657..4830, 4908..5018, 4909..5022, 10262..10438, 10264..10380, 10513..10626, 10514..10618, 17595..17717, 17597..17716, 17811..17978, 17812..17958, 17824..17985, 17838..17984, 23163..23267, 23164..23268, 23354..23530, 23412..23528		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72794	Strand	-
Start	21650	End	24327
Name	OJ990528_26.9A03.C13.o2.tm	Method	TBLASTX:Maize
Start	4672	End	23515
GI	none	Score	237
Exons	4672..4830, 4672..4776, 4680..4832, 4907..5038, 4908..5021, 4908..5039, 4909..5037, 4913..5038, 5040..5063, 5040..5063, 5041..5064, 10276..10380, 10277..10435, 10277..10438, 10285..10437, 10513..10662, 10514..10663, 10802..10876, 10871..10897, 17612..17716, 17619..17717, 17841..17969, 17854..17970, 22903..22917, 22926..23000, 23145..23267, 23155..23268, 23161..23265, 23163..23267, 23354..23515, 23355..23507, 23357..23515		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72794	Strand	-
Start	21650	End	24327
Name	OJ990528_26.9A03.C13.o6.tm	Method	TBLASTX:Maize
Start	5395	End	22922
GI	none	Score	151
Exons	5395..5568, 5409..5474, 10897..11010, 10898..11011, 17225..17446, 17226..17375, 22788..22922		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72794	Strand	-
Start	21650	End	24327
Name	OJ990528_26.9A03.C13.o3.tw	Method	TBLASTX:Wheat

Start	7217	End	13647
GI	none	Score	42
Exons	7217..7333, 13257..13343, 13261..13329, 13360..13647, 13362..13643		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72794	Strand	-
Start	21650	End	24327
Name	OJ990528_26.9A03.C13.o2.tw	Method	TBLASTX:Wheat
Start	11982	End	12627
GI	none	Score	109
Exons	11982..12089, 11986..12090, 12054..12128, 12054..12239, 12056..12229, 12175..12240, 12368..12454, 12378..12455, 12384..12476, 12439..12477, 12441..12605, 12441..12626, 12442..12627		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72794	Strand	-
Start	21650	End	24327
Name	OJ990528_26.9A03.C13.o3.ts	Method	TBLASTX:Soybean
Start	11982	End	12617
GI	none	Score	207
Exons	11982..12215, 12393..12617		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72794	Strand	-
Start	21650	End	24327
Name	OJ990528_26.9A03.C13.o4.tm	Method	TBLASTX:Maize
Start	11982	End	12575
GI	none	Score	65
Exons	11982..12044, 11983..12045, 12003..12257, 12004..12234, 12018..12257, 12378..12437, 12393..12569, 12396..12575, 12436..12573		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72794	Strand	-
Start	21650	End	24327
Name	OJ990528_26.9A03.C13.o2.tc	Method	TBLASTX:Cress
Start	12006	End	13813
GI	none	Score	66
Exons	12006..12137, 12111..12215, 12390..12524, 12537..12602, 12630..12749, 12631..12729, 12924..13271, 13111..13272, 13281..13346, 13362..13655, 13751..13813		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72794	Strand	-
Start	21650	End	24327
Name	OJ990528_26.9A03.C13.o1.tm	Method	TBLASTX:Maize
Start	12577	End	13676
GI	none	Score	80
Exons	12577..12756, 12624..12752, 12768..12827, 12963..13181, 12996..13178, 13182..13676, 13185..13661, 13186..13662		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72794	Strand	-
Start	21650	End	24327
Name	OJ990528_26.9A03.C13.o1.ts	Method	TBLASTX:Soybean

Start	12642	End	13664
GI	none	Score	199
Exons	12642..12755, 12765..12866, 12924..13664, 13018..13401, 13299..13433, 13453..13659		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72794	Strand	-
Start	21650	End	24327
Name	OJ990528_26.9A03.C13.o6.gs	Method	GENSCAN
Start	21650	End	23592
GI	none	Score	.65
Exons	21650..21752, 22048..22126, 22787..23000, 23130..23268, 23355..23592		

Seq. No.	35218	Seq. ID	OJ990528_26.9A03.C13
Gene No.	72794	Strand	-
Start	21650	End	24327
Name	OJ990528_26.9A03.C13.o4.np	Method	AAT/NAP
Start	22013	End	24327
GI	4530126	Score	616
Exons	22013..22094, 22757..23000, 23118..23268, 23355..23592, 23795..24002, 24111..24327		
GI Descrip.	(AF078082) receptor-like protein kinase homolog RK20-1 [Phaseolus vulgaris]		

Seq. No.	35219	Seq. ID	OJ990528_26.9A03.C14
Gene No.	72795	Strand	+
Start	1	End	834
Name	OJ990528_26.9A03.C14.o1.np	Method	AAT/NAP
Start	1	End	834
GI	5091513	Score	741
Exons	1..834		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	35219	Seq. ID	OJ990528_26.9A03.C14
Gene No.	72795	Strand	+
Start	1	End	834
Name	OJ990528_26.9A03.C14.o1.gs	Method	GENSCAN
Start	135	End	828
GI	none	Score	.55
Exons	135..524, 571..828		

Seq. No.	35220	Seq. ID	OJ990528_26.9A03.C15
Gene No.	72796	Strand	-
Start	124	End	410
Name	OJ990528_26.9A03.C15.o1.gs	Method	GENSCAN
Start	124	End	410
GI	none	Score	.64
Exons	124..252, 289..410		

Seq. No.	35221	Seq. ID	OJ990528_26.9A03.C16
Gene No.	72797	Strand	+
Start	109	End	388
Name	OJ990528_26.9A03.C16.o1.gs	Method	GENSCAN
Start	109	End	388
GI	none	Score	.91
Exons	109..230, 267..388		

Seq. No.	35222	Seq. ID	OJ990528_26.9A03.C18
Gene No.	72798	Strand	+
Start	1	End	93
Name	OJ990528_26.9A03.C18.o1.np	Method	AAT/NAP
Start	1	End	93
GI	2290176	Score	95
Exons	1..93		
GI Descrip.	(U84881) envelope glycoprotein [Human immunodeficiency virus type 1]		

Seq. No.	35223	Seq. ID	OJ990528_26.9A03.C20
Gene No.	72799	Strand	-
Start	174	End	461
Name	OJ990528_26.9A03.C20.o1.gs	Method	GENSCAN
Start	174	End	461
GI	none	Score	.5
Exons	174..335, 417..461		

Seq. No.	35224	Seq. ID	OJ990428_28.9A08.C2
Gene No.	72800	Strand	+
Start	2286	End	3761
Name	OJ990428_28.9A08.C2.o1.gp	Method	AAT/GAP
Start	2286	End	2603
GI	none	Score	563
Exons	2286..2603		

Seq. No.	35224	Seq. ID	OJ990428_28.9A08.C2
Gene No.	72800	Strand	+
Start	2286	End	3761
Name	OJ990428_28.9A08.C2.o1.gs	Method	GENSCAN
Start	2344	End	3748
GI	none	Score	1
Exons	2344..2799, 2909..3748		

Seq. No.	35224	Seq. ID	OJ990428_28.9A08.C2
Gene No.	72800	Strand	+
Start	2286	End	3761
Name	OJ990428_28.9A08.C2.o1.np	Method	AAT/NAP
Start	2365	End	3761
GI	6899926	Score	695
Exons	2365..2776, 2898..3761		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		

Seq. No.	35224	Seq. ID	OJ990428_28.9A08.C2
Gene No.	72800	Strand	+
Start	2286	End	3761
Name	OJ990428_28.9A08.C2.o2.gp	Method	AAT/GAP
Start	3179	End	3584
GI	none	Score	717
Exons	3179..3584		

Seq. No.	35224	Seq. ID	OJ990428_28.9A08.C2
Gene No.	72801	Strand	-
Start	6594	End	12748
Name	OJ990428_28.9A08.C2.o1.tm	Method	TBLASTX:Maize
Start	2407	End	3733

GI	none	Score	121
Exons	2407..2502, 2563..2793, 2902..3003, 2903..3013, 3077..3322, 3091..3318, 3329..3475, 3494..3733, 3538..3717		

Seq. No.	35224	Seq. ID	OJ990428_28.9A08.C2
Gene No.	72801	Strand	-
Start	6594	End	12748
Name	OJ990428_28.9A08.C2.o2.tw	Method	TBLASTX:Wheat
Start	3187	End	3370
GI	none	Score	187
Exons	3187..3333, 3191..3334, 3334..3369, 3338..3370		

Seq. No.	35224	Seq. ID	OJ990428_28.9A08.C2
Gene No.	72801	Strand	-
Start	6594	End	12748
Name	OJ990428_28.9A08.C2.o1.tw	Method	TBLASTX:Wheat
Start	3445	End	3679
GI	none	Score	47
Exons	3445..3471, 3446..3472, 3500..3679, 3502..3678		

Seq. No.	35224	Seq. ID	OJ990428_28.9A08.C2
Gene No.	72801	Strand	-
Start	6594	End	12748
Name	OJ990428_28.9A08.C2.o2.gs	Method	GENSCAN
Start	6594	End	12650
GI	none	Score	.65
Exons	6594..7610, 7665..7772, 10284..10404, 10597..12650		

Seq. No.	35224	Seq. ID	OJ990428_28.9A08.C2
Gene No.	72801	Strand	-
Start	6594	End	12748
Name	OJ990428_28.9A08.C2.o3.tm	Method	TBLASTX:Maize
Start	7365	End	7611
GI	none	Score	48
Exons	7365..7412, 7371..7466, 7371..7610, 7423..7611		

Seq. No.	35224	Seq. ID	OJ990428_28.9A08.C2
Gene No.	72801	Strand	-
Start	6594	End	12748
Name	OJ990428_28.9A08.C2.o2.np	Method	AAT/NAP
Start	9558	End	12748
GI	4874303	Score	627
Exons	9558..9643, 10265..10404, 10597..10915, 11012..11111, 11178..12212, 12715..12748		
GI Descrip.	(AC006053) putative transcription elongation factor S-II [Arabidopsis thaliana]		

Seq. No.	35224	Seq. ID	OJ990428_28.9A08.C2
Gene No.	72801	Strand	-
Start	6594	End	12748
Name	OJ990428_28.9A08.C2.o4.tm	Method	TBLASTX:Maize
Start	10279	End	10439
GI	none	Score	156
Exons	10279..10404, 10279..10419, 10281..10412, 10281..10439		

Seq. No.	35224	Seq. ID	OJ990428_28.9A08.C2
Gene No.	72801	Strand	-

Start	6594	End	12748
Name	OJ990428_28.9A08.C2.o2.tm	Method	TBLASTX:Maize
Start	11022	End	11402
GI	none	Score	69
Exons	11022..11228, 11024..11173, 11025..11174, 11228..11275, 11286..11402, 11289..11402		

Seq. No.	35225	Seq. ID	OJ990428_28.9A08.C3
Gene No.	72802	Strand	+
Start	279	End	4507
Name	OJ990428_28.9A08.C3.o1.gs	Method	GENSCAN
Start	279	End	4507
GI	none	Score	.49
Exons	279..413, 421..622, 680..852, 858..1240, 2007..2307, 3047..3110, 3790..3921, 4086..4507		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72803	Strand	+
Start	460	End	2638
Name	OJ990428_28.9A08.C4.o1.gs	Method	GENSCAN
Start	460	End	2638
GI	none	Score	.82
Exons	460..516, 1393..1527, 2234..2638		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72804	Strand	+
Start	12540	End	17000
Name	OJ990428_28.9A08.C4.o5.gs	Method	GENSCAN
Start	12540	End	17000
GI	none	Score	.68
Exons	12540..13052, 13133..13266, 13761..13874, 14072..14255, 15462..15715, 15755..15842, 15998..16027, 16812..17000		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72805	Strand	-
Start	8596	End	9252
Name	OJ990428_28.9A08.C4.o3.gs	Method	GENSCAN
Start	8596	End	9252
GI	none	Score	.64
Exons	8596..8645, 9086..9151, 9180..9252		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72806	Strand	-
Start	11593	End	11905
Name	OJ990428_28.9A08.C4.o4.gs	Method	GENSCAN
Start	11593	End	11905
GI	none	Score	.76
Exons	11593..11735, 11794..11905		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72806	Strand	-
Start	11593	End	11905
Name	OJ990428_28.9A08.C4.o1.gp	Method	AAT/GAP
Start	11735	End	11894
GI	none	Score	239
Exons	11735..11894		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72807	Strand	-
Start	22128	End	26465
Name	OJ990428_28.9A08.C4.o1.np	Method	AAT/NAP
Start	22128	End	26465
GI	2586082	Score	4131
Exons	22128..25532, 25560..26465		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o1.tm	Method	TBLASTX:Maize
Start	12539	End	16111
GI	none	Score	163
Exons	12539..12688, 12540..12662, 12680..12769, 12684..12773, 12788..13054, 12792..13052, 12829..13053, 13103..13279, 13129..13266, 13756..13872, 13756..13872, 14069..14254, 14070..14273, 14070..14261, 14113..14262, 14349..14423, 14354..14422, 15441..15695, 15457..15756, 15461..15763, 15461..15751, 15929..15961, 16006..16038, 16021..16110, 16043..16111		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o3.ts	Method	TBLASTX:Soybean
Start	12690	End	15682
GI	none	Score	336
Exons	12690..13052, 12707..13054, 13081..13119, 13103..13279, 13129..13260, 13130..13273, 13761..13850, 13762..13872, 14052..14210, 14070..14204, 14223..14273, 14349..14423, 14354..14422, 15459..15566, 15461..15565, 15603..15677, 15614..15682		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o1.tc	Method	TBLASTX:Cress
Start	12782	End	15677
GI	none	Score	328
Exons	12782..13054, 12795..13052, 13103..13267, 13128..13268, 13129..13275, 13129..13275, 13758..13856, 13759..13872, 14069..14152, 14070..14210, 14070..14171, 14229..14273, 14349..14423, 14354..14422, 15459..15566, 15461..15565, 15603..15677		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o6.tw	Method	TBLASTX:Wheat
Start	12927	End	13267
GI	none	Score	108
Exons	12927..13058, 13120..13263, 13121..13267		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-

Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o1.ts	Method	TBLASTX:Soybean
Start	22103	End	22775
GI	none	Score	39
Exons	22103..22126, 22143..22775, 22186..22581		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o4.tc	Method	TBLASTX:Cress
Start	22113	End	22796
GI	none	Score	118
Exons	22113..22346, 22380..22502, 22512..22601, 22617..22796		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o2.tm	Method	TBLASTX:Maize
Start	22185	End	22608
GI	none	Score	138
Exons	22185..22472, 22186..22473, 22474..22608, 22479..22607		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o1.tw	Method	TBLASTX:Wheat
Start	22539	End	22946
GI	none	Score	191
Exons	22539..22946, 22540..22932, 22614..22937		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o6.tm	Method	TBLASTX:Maize
Start	22611	End	22862
GI	none	Score	73
Exons	22611..22841, 22617..22862, 22621..22857		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o3.tm	Method	TBLASTX:Maize
Start	22935	End	23361
GI	none	Score	101
Exons	22935..23360, 23104..23361		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o4.tw	Method	TBLASTX:Wheat
Start	22953	End	23495
GI	none	Score	71
Exons	22953..23156, 23148..23318, 23148..23492, 23176..23334, 23398..23475, 23412..23495		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-

Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o2.ts	Method	TBLASTX:Soybean
Start	23175	End	23660
GI	5509260	Score	205
Exons	23175..23660, 23179..23523		
GI Descrip.	-		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o3.tc	Method	TBLASTX:Cress
Start	23274	End	23543
GI	none	Score	119
Exons	23274..23543, 23275..23529		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o8.tm	Method	TBLASTX:Maize
Start	23367	End	23630
GI	none	Score	103
Exons	23367..23630, 23404..23574		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o2.tc	Method	TBLASTX:Cress
Start	24234	End	24677
GI	none	Score	361
Exons	24234..24677		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o5.tw	Method	TBLASTX:Wheat
Start	24237	End	24588
GI	none	Score	48
Exons	24237..24572, 24397..24441, 24514..24588		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o4.ts	Method	TBLASTX:Soybean
Start	24246	End	24680
GI	none	Score	260
Exons	24246..24680		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o4.tm	Method	TBLASTX:Maize
Start	24258	End	24695
GI	none	Score	50
Exons	24258..24617, 24298..24372, 24397..24609, 24594..24695		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-

Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o5.ts	Method	TBLASTX:Soybean
Start	24687	End	25085
GI	none	Score	180
Exons	24687..24863, 24882..25085		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o7.tm	Method	TBLASTX:Maize
Start	25170	End	25469
GI	none	Score	63
Exons	25170..25469, 25383..25469		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o2.tw	Method	TBLASTX:Wheat
Start	25175	End	25523
GI	none	Score	73
Exons	25175..25255, 25176..25511, 25219..25515, 25339..25521, 25344..25523		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o3.tw	Method	TBLASTX:Wheat
Start	25938	End	26372
GI	none	Score	88
Exons	25938..26120, 26127..26372, 26128..26364		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o5.tm	Method	TBLASTX:Maize
Start	25938	End	26387
GI	none	Score	63
Exons	25938..26246, 26011..26235, 26283..26387		

Seq. No.	35226	Seq. ID	OJ990428_28.9A08.C4
Gene No.	72808	Strand	-
Start	27148	End	27670
Name	OJ990428_28.9A08.C4.o2.gp	Method	AAT/GAP
Start	27148	End	27670
GI	LIB3434-038-P1-K1-F1	Score	781
Exons	27148..27670		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	35227	Seq. ID	OJ990428_28.9A08.C6
Gene No.	72809	Strand	+
Start	100	End	2753
Name	OJ990428_28.9A08.C6.o1.gs	Method	GENSCAN
Start	100	End	2753
GI	none	Score	.63
Exons	100..149, 1357..1438, 2640..2753		

Seq. No.	35227	Seq. ID	OJ990428_28.9A08.C6
Gene No.	72810	Strand	+
Start	3567	End	3670
Name	OJ990428_28.9A08.C6.o1.gp	Method	AAT/GAP
Start	3567	End	3670
GI	69953_1.R1084	Score	122
Exons	3567..3670		
GI Descrip.	'5295936/dbj\|AB026295.2\|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	35227	Seq. ID	OJ990428_28.9A08.C6
Gene No.	72811	Strand	-
Start	4536	End	5532
Name	OJ990428_28.9A08.C6.o1.np	Method	AAT/NAP
Start	4536	End	5532
GI	6907106	Score	484
Exons	4536..5141, 5302..5532		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35227	Seq. ID	OJ990428_28.9A08.C6
Gene No.	72811	Strand	-
Start	4536	End	5532
Name	OJ990428_28.9A08.C6.o1.tm	Method	TBLASTX:Maize
Start	4635	End	5064
GI	none	Score	134
Exons	4635..4676, 4636..4692, 4637..4741, 4698..4745, 4715..4828, 4716..4829, 4790..4828, 4797..4829, 4810..4830, 4815..4913, 4826..4885, 4827..4871, 4827..4973, 4828..4962, 4829..4972, 5008..5064		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72812	Strand	+
Start	8063	End	13695
Name	OJ990428_28.9A08.C7.o3.gs	Method	GENSCAN
Start	8063	End	13695
GI	none	Score	.67
Exons	8063..8273, 10211..10532, 10618..10938, 11208..11310, 13070..13226, 13529..13695		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72812	Strand	+
Start	8063	End	13695
Name	OJ990428_28.9A08.C7.o2.gp	Method	AAT/GAP
Start	10258	End	10916
GI	20063_1.R1084	Score	1069
Exons	10258..10532, 10618..10916		
GI Descrip.	'1352057/sp\|P49679\|AXI4_PEA 6.0e-18 AUXIN-INDUCED PROTEIN IAA4 >gi_629633_pir__S39075 auxin-induced protein - garden pea >gi_414181_emb_CAA48297_ (X68215) auxin-induced protein [Pisum sativum]'		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72812	Strand	+
Start	8063	End	13695
Name	OJ990428_28.9A08.C7.o2.np	Method	AAT/NAP
Start	10402	End	11100

GI	1352057	Score	295
Exons	10402..10938, 11028..11100		
GI Descrip.	AUXIN-INDUCED PROTEIN IAA4 gi\|629633\|pir\|\|S39075 auxin-induced protein - garden pea gi\|414181\|emb\|CAA48297\| (X68215) auxin-induced protein [Pisum sativum]		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72813	Strand	+
Start	13875	End	18125
Name	OJ990428_28.9A08.C7.o4.gp	Method	AAT/GAP
Start	13875	End	16863
GI	uC-osflcyp064g12b1	Score	1020
Exons	13875..14104, 16384..16593, 16766..16863		
GI Descrip.	'4874313/gb\|AAD31375.1\|AC006053_17 2.0e-27 (AC006053) putative proton phosphatase [Arabidopsis thaliana]'		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72813	Strand	+
Start	13875	End	18125
Name	OJ990428_28.9A08.C7.o3.np	Method	AAT/NAP
Start	15000	End	18122
GI	4874313	Score	1043
Exons	15000..15086, 16384..16593, 16766..16977, 17558..18122		
GI Descrip.	(AC006053) putative protein phosphatase 2C [Arabidopsis thaliana]		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72813	Strand	+
Start	13875	End	18125
Name	OJ990428_28.9A08.C7.o5.gs	Method	GENSCAN
Start	15891	End	18125
GI	none	Score	.99
Exons	15891..15902, 16384..16593, 16766..16977, 17558..18125		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72814	Strand	+
Start	22373	End	28591
Name	OJ990428_28.9A08.C7.o7.gs	Method	GENSCAN
Start	22373	End	28591
GI	none	Score	.47
Exons	22373..22386, 23371..23520, 23925..24056, 24291..24424, 25417..25435, 25553..25654, 25940..26041, 27516..27642, 28517..28591		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72815	Strand	+
Start	29882	End	30015
Name	OJ990428_28.9A08.C7.o5.gp	Method	AAT/GAP
Start	29882	End	30015
GI	LIB3474-009-P1-K1-F11	Score	221
Exons	29882..30015		
GI Descrip.	'4455244/emb\|CAB36743.1\| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72816	Strand	+
Start	30575	End	32609

Name	OJ990428_28.9A08.C7.o6.gp	Method	AAT/GAP
Start	30575	End	31709
GI	none	Score	689
Exons	30575..30731, 31467..31709		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72816	Strand	+
Start	30575	End	32609
Name	OJ990428_28.9A08.C7.o9.gs	Method	GENSCAN
Start	31579	End	32548
GI	none	Score	.99
Exons	31579..31746, 31826..32548		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72816	Strand	+
Start	30575	End	32609
Name	OJ990428_28.9A08.C7.o7.gp	Method	AAT/GAP
Start	32292	End	32609
GI	2431408	Score	602
Exons	32292..32609		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72817	Strand	+
Start	33075	End	35705
Name	OJ990428_28.9A08.C7.o10.gs	Method	GENSCAN
Start	33075	End	34442
GI	none	Score	.99
Exons	33075..34442		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72817	Strand	+
Start	33075	End	35705
Name	OJ990428_28.9A08.C7.o4.np	Method	AAT/NAP
Start	33462	End	35705
GI	2213632	Score	724
Exons	33462..34200, 35675..35705		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72818	Strand	-
Start	1	End	2994
Name	OJ990428_28.9A08.C7.o1.np	Method	AAT/NAP
Start	1	End	2994
GI	6063557	Score	133
Exons	1..29, 2298..2387, 2864..2994		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72818	Strand	-
Start	1	End	2994
Name	OJ990428_28.9A08.C7.o1.gp	Method	AAT/GAP
Start	734	End	839
GI	LIB3477-003-P1-K1-E9	Score	129
Exons	734..839		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72819	Strand	-
Start	11369	End	11759
Name	OJ990428_28.9A08.C7.o3.gp	Method	AAT/GAP
Start	11369	End	11759
GI	none	Score	747
Exons	11369..11759		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72820	Strand	-
Start	13853	End	15293
Name	OJ990428_28.9A08.C7.o4.gs	Method	GENSCAN
Start	13853	End	15293
GI	none	Score	.64
Exons	13853..14377, 15147..15293		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72821	Strand	-
Start	29572	End	30688
Name	OJ990428_28.9A08.C7.o8.gs	Method	GENSCAN
Start	29572	End	30688
GI	none	Score	.76
Exons	29572..29793, 30302..30688		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72822	Strand	-
Start	34691	End	36209
Name	OJ990428_28.9A08.C7.o11.gs	Method	GENSCAN
Start	34691	End	36209
GI	none	Score	.76
Exons	34691..34833, 35929..36163, 36168..36209		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72822	Strand	-
Start	34691	End	36209
Name	OJ990428_28.9A08.C7.o5.np	Method	AAT/NAP
Start	35804	End	35940
GI	6815099	Score	77
Exons	35804..35940		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72823	Strand	-
Start	36907	End	37342
Name	OJ990428_28.9A08.C7.o3.tm	Method	TBLASTX:Maize
Start	10615	End	11088
GI	none	Score	93
Exons	10615..10677, 10616..10702, 10679..10816, 10694..10780, 10843..10938, 10847..10939, 11026..11088, 11028..11087		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72823	Strand	-
Start	36907	End	37342
Name	OJ990428_28.9A08.C7.o2.tc	Method	TBLASTX:Cress
Start	10616	End	11088
GI	none	Score	70

Exons	10616..10669, 10682..10801, 10844..10939, 11029..11088		
Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72823	Strand	-
Start	36907	End	37342
Name	OJ990428_28.9A08.C7.o5.tw	Method	TBLASTX:Wheat
Start	10616	End	10939
GI	none	Score	71
Exons	10616..10702, 10697..10795, 10874..10939		
Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72823	Strand	-
Start	36907	End	37342
Name	OJ990428_28.9A08.C7.o2.ts	Method	TBLASTX:Soybean
Start	10616	End	11088
GI	none	Score	70
Exons	10616..10681, 10618..10662, 10688..10801, 10694..10780, 10847..10939, 11029..11088		
Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72823	Strand	-
Start	36907	End	37342
Name	OJ990428_28.9A08.C7.o3.ts	Method	TBLASTX:Soybean
Start	16453	End	16978
GI	none	Score	154
Exons	16453..16596, 16458..16598, 16473..16598, 16764..16847, 16765..16977, 16766..16978		
Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72823	Strand	-
Start	36907	End	37342
Name	OJ990428_28.9A08.C7.o1.tm	Method	TBLASTX:Maize
Start	17546	End	18110
GI	none	Score	279
Exons	17546..17782, 17547..17765, 17780..18001, 17781..18017, 17820..18029, 18066..18110		
Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72823	Strand	-
Start	36907	End	37342
Name	OJ990428_28.9A08.C7.o1.tc	Method	TBLASTX:Cress
Start	17547	End	18110
GI	none	Score	295
Exons	17547..17765, 17548..17661, 17570..17758, 17783..18013, 17784..18017, 18069..18110		
Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72823	Strand	-
Start	36907	End	37342
Name	OJ990428_28.9A08.C7.o1.ts	Method	TBLASTX:Soybean
Start	17547	End	17993
GI	none	Score	286
Exons	17547..17744, 17555..17743, 17742..17777, 17742..17777, 17780..17992, 17781..17993, 17808..17993		
Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72823	Strand	-

Start	36907	End	37342
Name	OJ990428_28.9A08.C7.o3.tw	Method	TBLASTX:Wheat
Start	17621	End	17861
GI	none	Score	151
Exons	17621..17752, 17622..17756, 17783..17860, 17784..17861		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72823	Strand	-
Start	36907	End	37342
Name	OJ990428_28.9A08.C7.o2.tw	Method	TBLASTX:Wheat
Start	17862	End	18312
GI	none	Score	260
Exons	17862..18020, 17862..18128, 17863..18129, 17864..18118, 18066..18128, 18172..18219, 18283..18312		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72823	Strand	-
Start	36907	End	37342
Name	OJ990428_28.9A08.C7.o4.tw	Method	TBLASTX:Wheat
Start	33249	End	33566
GI	none	Score	202
Exons	33249..33566, 33299..33541		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72823	Strand	-
Start	36907	End	37342
Name	OJ990428_28.9A08.C7.o2.tm	Method	TBLASTX:Maize
Start	33414	End	33845
GI	none	Score	341
Exons	33414..33743, 33428..33565, 33588..33731, 33656..33742, 33746..33844, 33747..33845		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72823	Strand	-
Start	36907	End	37342
Name	OJ990428_28.9A08.C7.o1.tw	Method	TBLASTX:Wheat
Start	33575	End	33980
GI	none	Score	213
Exons	33575..33739, 33576..33740, 33585..33755, 33747..33980, 33764..33976		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72823	Strand	-
Start	36907	End	37342
Name	OJ990428_28.9A08.C7.o4.tm	Method	TBLASTX:Maize
Start	33846	End	34184
GI	none	Score	210
Exons	33846..34112, 33846..33992, 34029..34076, 34119..34184		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72823	Strand	-
Start	36907	End	37342
Name	OJ990428_28.9A08.C7.o6.tw	Method	TBLASTX:Wheat
Start	33984	End	34229
GI	none	Score	187
Exons	33984..34229		

Seq. No.	35228	Seq. ID	OJ990428_28.9A08.C7
Gene No.	72823	Strand	-
Start	36907	End	37342
Name	OJ990428_28.9A08.C7.o12.gs	Method	GENSCAN
Start	36907	End	37342
GI	none	Score	.91
Exons	36907..37196, 37238..37342		

Seq. No.	35229	Seq. ID	OJ990428_28.9A08.C8
Gene No.	72824	Strand	-
Start	1653	End	7004
Name	OJ990428_28.9A08.C8.o1.gs	Method	GENSCAN
Start	1653	End	7004
GI	none	Score	.51
Exons	1653..1763, 1937..2179, 2398..2536, 3746..3887, 3910..4061, 4201..4290, 4665..4797, 5838..5950, 6405..6502, 6546..7004		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72825	Strand	+
Start	1	End	5659
Name	OJ990428_28.9A08.C9.o1.np	Method	AAT/NAP
Start	1	End	5656
GI	5107374	Score	3044
Exons	1..281, 362..511, 597..730, 825..934, 1094..1200, 1428..1566, 1669..1785, 2120..2227, 2310..2381, 2491..2613, 2719..2878, 2968..3089, 3208..3345, 3425..3567, 3688..3750, 3950..4013, 4092..4227, 4506..4579, 5147..5241, 5334..5365, 5487..5656		
GI Descrip.	(AF154272) PINHEAD [Arabidopsis thaliana]		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72825	Strand	+
Start	1	End	5659
Name	OJ990428_28.9A08.C9.o1.gs	Method	GENSCAN
Start	118	End	5659
GI	none	Score	.58
Exons	118..281, 365..511, 552..592, 611..934, 1528..1566, 2491..2613, 2696..2878, 2968..3089, 3208..3345, 3688..3750, 3927..4013, 4092..4227, 4506..4579, 5433..5451, 5487..5659		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72825	Strand	+
Start	1	End	5659
Name	OJ990428_28.9A08.C9.o1.gp	Method	AAT/GAP
Start	1070	End	2235
GI	uC-osf1M202123c05b1	Score	860
Exons	1070..1200, 1428..1566, 1669..1785, 2124..2235		
GI Descrip.	'5107374/gb\|AAD40098.1\|AF154272_1 5.0e-34 (AF154272) PINHEAD [Arabidopsis thaliana]'		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72825	Strand	+
Start	1	End	5659
Name	OJ990428_28.9A08.C9.o2.gp	Method	AAT/GAP
Start	2779	End	3527
GI	2310389	Score	754
Exons	2779..2879, 2968..3089, 3208..3345, 3425..3527		
GI Descrip.	5107374/gb\|AAD40098.1\|AF154272_1 5.0e-34 (AF154272) PINHEAD		

[Arabidopsis thaliana]

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72826	Strand	-
Start	6078	End	8592
Name	OJ990428_28.9A08.C9.o2.ts	Method	TBLASTX:Soybean
Start	67	End	636
GI	none	Score	240
Exons	67..219, 70..270, 360..515, 362..514, 585..632, 586..636		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72826	Strand	-
Start	6078	End	8592
Name	OJ990428_28.9A08.C9.o1.tc	Method	TBLASTX:Cress
Start	70	End	5659
GI	none	Score	248
Exons	70..264, 360..515, 362..499, 595..729, 609..728, 823..918, 823..960, 830..955, 1066..1200, 1067..1210, 1082..1216, 1425..1577, 1429..1566, 1469..1582, 1666..1785, 1668..1781, 2101..2229, 2104..2226, 2117..2230, 2310..2381, 2310..2381, 2488..2622, 2488..2613, 2490..2621, 2718..2882, 2719..2889, 2966..3070, 2967..3092, 2986..3081, 3202..3348, 3202..3345, 3207..3347, 3413..3577, 3424..3579, 3685..3747, 3698..3751, 3948..4013, 3950..4009, 4077..4220, 4078..4230, 4079..4219, 4092..4229, 4504..4587, 4505..4579, 5144..5245, 5146..5241, 5319..5360, 5332..5364, 5482..5550, 5486..5560, 5602..5655, 5603..5659		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72826	Strand	-
Start	6078	End	8592
Name	OJ990428_28.9A08.C9.o2.tm	Method	TBLASTX:Maize
Start	70	End	913
GI	none	Score	104
Exons	70..162, 160..270, 360..515, 366..494, 368..514, 585..719, 586..729, 823..912, 830..913		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72826	Strand	-
Start	6078	End	8592
Name	OJ990428_28.9A08.C9.o4.ts	Method	TBLASTX:Soybean
Start	636	End	960
GI	none	Score	155
Exons	636..728, 637..729, 823..960, 830..955		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72826	Strand	-
Start	6078	End	8592
Name	OJ990428_28.9A08.C9.o4.tm	Method	TBLASTX:Maize
Start	1066	End	1479
GI	none	Score	199
Exons	1066..1212, 1067..1210, 1429..1479, 1429..1479		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72826	Strand	-
Start	6078	End	8592
Name	OJ990428_28.9A08.C9.o1.ts	Method	TBLASTX:Soybean

Start	1425	End	3729
GI	none	Score	169
Exons	1425..1577, 1426..1569, 1666..1785, 1671..1784, 2117..2230, 2117..2227, 2119..2229, 2145..2240, 2310..2381, 2310..2381, 2488..2619, 2488..2628, 2718..2882, 2722..2889, 2966..3067, 2967..3092, 3202..3348, 3210..3347, 3413..3568, 3421..3576, 3424..3567, 3676..3729		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72826	Strand	-
Start	6078	End	8592
Name	OJ990428_28.9A08.C9.o1.tm	Method	TBLASTX:Maize
Start	1480	End	5668
GI	none	Score	111
Exons	1480..1569, 1678..1785, 1701..1784, 2113..2223, 2117..2224, 2307..2381, 2310..2381, 2488..2574, 2488..2568, 2490..2576, 2551..2631, 2569..2613, 2718..2783, 2719..2796, 2811..2882, 2848..2889, 2966..3073, 2967..3092, 3028..3105, 3202..3348, 3210..3347, 3413..3577, 3424..3579, 3688..3750, 3698..3751, 3947..4006, 3948..4013, 4091..4231, 4092..4250, 4504..4587, 4505..4579, 4516..4581, 5114..5248, 5144..5245, 5146..5247, 5146..5250, 5332..5364, 5482..5556, 5486..5560, 5575..5658, 5603..5668		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72826	Strand	-
Start	6078	End	8592
Name	OJ990428_28.9A08.C9.o2.tw	Method	TBLASTX:Wheat
Start	2967	End	3469
GI	none	Score	178
Exons	2967..3092, 2981..3067, 3202..3348, 3210..3344, 3442..3468, 3443..3469		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72826	Strand	-
Start	6078	End	8592
Name	OJ990428_28.9A08.C9.o3.ts	Method	TBLASTX:Soybean
Start	3947	End	5659
GI	none	Score	107
Exons	3947..4009, 3948..4013, 4077..4226, 4079..4171, 4092..4250, 4504..4575, 4505..4579, 4507..4581, 5144..5245, 5146..5244, 5325..5360, 5332..5364, 5482..5556, 5482..5556, 5486..5560, 5602..5655, 5603..5659		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72826	Strand	-
Start	6078	End	8592
Name	OJ990428_28.9A08.C9.o3.tw	Method	TBLASTX:Wheat
Start	5129	End	5659
GI	none	Score	177
Exons	5129..5248, 5144..5245, 5146..5250, 5332..5364, 5482..5556, 5486..5560, 5602..5655, 5603..5659		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72826	Strand	-
Start	6078	End	8592
Name	OJ990428_28.9A08.C9.o2.np	Method	AAT/NAP

Start	6078	End	8592
GI	4544450	Score	962
Exons	6078..6212, 6767..8213, 8566..8592		
GI Descrip.	(AC006592) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72826	Strand	-
Start	6078	End	8592
Name	OJ990428_28.9A08.C9.o2.gs	Method	GENSCAN
Start	6760	End	8352
GI	none	Score	.73
Exons	6760..8352		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72826	Strand	-
Start	6078	End	8592
Name	OJ990428_28.9A08.C9.o5.ts	Method	TBLASTX:Soybean
Start	6769	End	7230
GI	none	Score	180
Exons	6769..6996, 7006..7230		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72826	Strand	-
Start	6078	End	8592
Name	OJ990428_28.9A08.C9.o3.tc	Method	TBLASTX:Cress
Start	6778	End	7110
GI	none	Score	71
Exons	6778..6996, 6799..6990, 7000..7110		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72826	Strand	-
Start	6078	End	8592
Name	OJ990428_28.9A08.C9.o3.tm	Method	TBLASTX:Maize
Start	6790	End	8211
GI	none	Score	72
Exons	6790..6996, 6844..6987, 7018..7524, 7198..7524, 7210..7392, 7234..7392, 7432..7626, 7537..7692, 7639..7791, 7663..7791, 7725..7754, 7810..8151, 7831..7932, 7834..8007, 7838..7957, 7889..8086, 7897..8211, 7918..8151, 8024..8152		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72826	Strand	-
Start	6078	End	8592
Name	OJ990428_28.9A08.C9.o1.tw	Method	TBLASTX:Wheat
Start	7085	End	8259
GI	none	Score	142
Exons	7085..7405, 7090..7560, 7147..7260, 7448..7561, 7453..7710, 7615..7797, 7804..8259		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72826	Strand	-
Start	6078	End	8592
Name	OJ990428_28.9A08.C9.o2.tc	Method	TBLASTX:Cress
Start	7111	End	8214
GI	none	Score	140
Exons	7111..7233, 7147..7341, 7219..7584, 7231..7791, 7234..7641, 7453..7524, 7615..7824, 7621..7821, 7810..7938, 7828..8058,		

7915..8151, 7927..8211, 7928..8125, 7930..8214, 7984..8148, 8179..8211

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72826	Strand	-
Start	6078	End	8592
Name	OJ990428_28.9A08.C9.o6.ts	Method	TBLASTX:Soybean
Start	7243	End	8211
GI	none	Score	68
Exons	7243..7371, 7291..7668, 7466..7669, 7480..7671, 7594..7692, 7678..7737, 7687..7815, 7799..8062, 7825..8061, 7987..8211		

Seq. No.	35230	Seq. ID	OJ990428_28.9A08.C9
Gene No.	72826	Strand	-
Start	6078	End	8592
Name	OJ990428_28.9A08.C9.o3.np	Method	AAT/NAP
Start	8442	End	8592
GI	119714	Score	76
Exons	8442..8592		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi\|82169\|pir\|\|S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi\|19867\|emb\|CAA32090\| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	35231	Seq. ID	OJ990428_28.9A08.C10
Gene No.	72827	Strand	+
Start	48	End	769
Name	OJ990428_28.9A08.C10.o1.gs	Method	GENSCAN
Start	48	End	769
GI	none	Score	.9
Exons	48..296, 571..769		

Seq. No.	35231	Seq. ID	OJ990428_28.9A08.C10
Gene No.	72828	Strand	+
Start	1626	End	2387
Name	OJ990428_28.9A08.C10.o1.tc	Method	TBLASTX:Cress
Start	190	End	1777
GI	none	Score	128
Exons	190..297, 1524..1775, 1553..1777		

Seq. No.	35231	Seq. ID	OJ990428_28.9A08.C10
Gene No.	72828	Strand	+
Start	1626	End	2387
Name	OJ990428_28.9A08.C10.o2.gs	Method	GENSCAN
Start	1626	End	2387
GI	none	Score	1
Exons	1626..1772, 1854..2387		

Seq. No.	35231	Seq. ID	OJ990428_28.9A08.C10
Gene No.	72828	Strand	+
Start	1626	End	2387
Name	OJ990428_28.9A08.C10.o1.ts	Method	TBLASTX:Soybean
Start	1695	End	2000
GI	none	Score	98
Exons	1695..1769, 1695..1760, 1848..2000, 1853..1996		

Seq. No.	35232	Seq. ID	OJ990428_28.9A08.C11

Gene No.	72829	Strand	+
Start	244	End	2007
Name	OJ990428_28.9A08.C11.o1.gs	Method	GENSCAN
Start	244	End	2007
GI	none	Score	.66
Exons	244..289, 842..862, 1889..2007		

Seq. No.	35232	Seq. ID	OJ990428_28.9A08.C11
Gene No.	72830	Strand	+
Start	3977	End	5986
Name	OJ990428_28.9A08.C11.o2.np	Method	AAT/NAP
Start	3946	End	5947
GI	4467124	Score	910
Exons	3946..5947		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35232	Seq. ID	OJ990428_28.9A08.C11
Gene No.	72830	Strand	+
Start	3977	End	5986
Name	OJ990428_28.9A08.C11.o2.gs	Method	GENSCAN
Start	3977	End	5986
GI	none	Score	.94
Exons	3977..5986		

Seq. No.	35232	Seq. ID	OJ990428_28.9A08.C11
Gene No.	72831	Strand	+
Start	6799	End	9752
Name	OJ990428_28.9A08.C11.o3.gs	Method	GENSCAN
Start	6799	End	9340
GI	none	Score	.78
Exons	6799..7282, 7300..7433, 8375..8446, 8696..8778, 8858..8989, 9130..9340		

Seq. No.	35232	Seq. ID	OJ990428_28.9A08.C11
Gene No.	72831	Strand	+
Start	6799	End	9752
Name	OJ990428_28.9A08.C11.o3.np	Method	AAT/NAP
Start	8372	End	9635
GI	4895187	Score	57
Exons	8372..8446, 8696..9046, 9130..9325, 9594..9635		
GI Descrip.	(AC007661) unknown protein [Arabidopsis thaliana]		

Seq. No.	35232	Seq. ID	OJ990428_28.9A08.C11
Gene No.	72831	Strand	+
Start	6799	End	9752
Name	OJ990428_28.9A08.C11.o1.gp	Method	AAT/GAP
Start	8391	End	9752
GI	12398_1.R1084	Score	1096
Exons	8391..8446, 8696..8778, 8858..8989, 9130..9340, 9609..9752		
GI Descrip.	'4895187/gb\|AAD32774.1\|AC007661_11 7.0e-16 (AC007661) unknown protein [Arabidopsis thaliana]'		

Seq. No.	35232	Seq. ID	OJ990428_28.9A08.C11
Gene No.	72832	Strand	-
Start	375	End	486
Name	OJ990428_28.9A08.C11.o1.np	Method	AAT/NAP
Start	375	End	486

GI	5922619	Score	89
Exons	375..486		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016852\|dbj\|BAA85195.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	35232	Seq. ID	OJ990428_28.9A08.C11
Gene No.	72833	Strand	
Start	4094	End	4314
Name	OJ990428_28.9A08.C11.o4.tm	Method	TBLASTX:Maize
Start	4094	End	4314
GI	none	Score	235
Exons	4094..4312, 4103..4312, 4108..4314		

Seq. No.	35232	Seq. ID	OJ990428_28.9A08.C11
Gene No.	72834	Strand	
Start	4698	End	5269
Name	OJ990428_28.9A08.C11.o1.ts	Method	TBLASTX:Soybean
Start	4698	End	5254
GI	none	Score	490
Exons	4698..4907, 4700..5248, 4700..5254		

Seq. No.	35232	Seq. ID	OJ990428_28.9A08.C11
Gene No.	72834	Strand	
Start	4698	End	5269
Name	OJ990428_28.9A08.C11.o2.tm	Method	TBLASTX:Maize
Start	4744	End	5269
GI	none	Score	219
Exons	4744..4998, 4745..5050, 5051..5269		

Seq. No.	35232	Seq. ID	OJ990428_28.9A08.C11
Gene No.	72834	Strand	
Start	4698	End	5269
Name	OJ990428_28.9A08.C11.o1.tw	Method	TBLASTX:Wheat
Start	4874	End	5224
GI	none	Score	224
Exons	4874..5224		

Seq. No.	35232	Seq. ID	OJ990428_28.9A08.C11
Gene No.	72835	Strand	
Start	5516	End	5931
Name	OJ990428_28.9A08.C11.o3.tm	Method	TBLASTX:Maize
Start	5516	End	5931
GI	none	Score	36
Exons	5516..5584, 5570..5788, 5807..5929, 5824..5931		

Seq. No.	35232	Seq. ID	OJ990428_28.9A08.C11
Gene No.	72836	Strand	
Start	7030	End	9253
Name	OJ990428_28.9A08.C11.o1.tm	Method	TBLASTX:Maize
Start	7030	End	9253
GI	none	Score	201
Exons	7030..7143, 7047..7142, 7149..7193, 7293..7433, 7295..7459, 7296..7433, 7357..7473, 8228..8299, 8229..8300, 8370..8447, 8372..8449, 8372..8446, 8669..8779, 8693..8773, 8698..8781, 8858..8989, 8859..8987, 8932..8988, 9151..9213, 9152..9253, 9161..9253		

Seq. No.	35232	Seq. ID	OJ990428_28.9A08.C11
Gene No.	72836	Strand	
Start	7030	End	9253
Name	OJ990428_28.9A08.C11.o2.ts	Method	TBLASTX:Soybean
Start	7033	End	8939
GI	none	Score	145
Exons	7033..7140, 7050..7139, 7149..7190, 7284..7433, 7284..7433, 7295..7435, 8213..8293, 8227..8286, 8228..8302, 8229..8300, 8371..8448, 8372..8449, 8666..8779, 8710..8781, 8858..8917, 8859..8939		

Seq. No.	35232	Seq. ID	OJ990428_28.9A08.C11
Gene No.	72836	Strand	
Start	7030	End	9253
Name	OJ990428_28.9A08.C11.o2.tw	Method	TBLASTX:Wheat
Start	8693	End	9181
GI	none	Score	94
Exons	8693..8779, 8701..8781, 8710..8778, 8858..8989, 8866..8988, 9121..9180, 9128..9181		

Seq. No.	35233	Seq. ID	OJ990428_28.9A08.C12
Gene No.	72837	Strand	-
Start	208	End	413
Name	OJ990428_28.9A08.C12.o1.gp	Method	AAT/GAP
Start	208	End	413
GI	LIB3477-003-P1-K1-E9	Score	123
Exons	208..232, 345..413		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	35234	Seq. ID	OJ990528_28.9A01.C1
Gene No.	72838	Strand	+
Start	102	End	161
Name	OJ990528_28.9A01.C1.o1.np	Method	AAT/NAP
Start	102	End	161
GI	2498930	Score	53
Exons	102..161		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	35235	Seq. ID	OJ990528_28.9A01.C2
Gene No.	72840	Strand	+
Start	40	End	4150
Name	OJ990528_28.9A01.C2.o1.np	Method	AAT/NAP
Start	40	End	4150
GI	399316	Score	70
Exons	40..141, 341..610, 4114..4150		
GI Descrip.	ADENYLATE CYCLASE, TYPE V (ATP PYROPHOSPHATE-LYASE) (CA(2+)-INHIBITABLE ADENYLYL CYCLASE) gi\|284522\|pir\|\|A42904 adenylylcyclase type V - dog		

Seq. No.	35235	Seq. ID	OJ990528_28.9A01.C2
Gene No.	72840	Strand	+
Start	40	End	4150
Name	OJ990528_28.9A01.C2.o1.gs	Method	GENSCAN

Start	187	End	744
GI	none	Score	.84
Exons	187..744		

Seq. No.	35235	Seq. ID	OJ990528_28.9A01.C2
Gene No.	72840	Strand	+
Start	40	End	4150
Name	OJ990528_28.9A01.C2.o2.gs	Method	GENSCAN
Start	1359	End	2482
GI	none	Score	.92
Exons	1359..1427, 1679..2482		

Seq. No.	35235	Seq. ID	OJ990528_28.9A01.C2
Gene No.	72840	Strand	+
Start	40	End	4150
Name	OJ990528_28.9A01.C2.o4.np	Method	AAT/NAP
Start	2581	End	4150
GI	4544372	Score	622
Exons	2581..3591, 4101..4150		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	35235	Seq. ID	OJ990528_28.9A01.C2
Gene No.	72840	Strand	+
Start	40	End	4150
Name	OJ990528_28.9A01.C2.o3.gs	Method	GENSCAN
Start	2712	End	3809
GI	none	Score	.48
Exons	2712..3809		

Seq. No.	35235	Seq. ID	OJ990528_28.9A01.C2
Gene No.	72841	Strand	-
Start	1	End	4150
Name	OJ990528_28.9A01.C2.o5.np	Method	AAT/NAP
Start	1	End	4150
GI	5042454	Score	298
Exons	1..121, 187..634, 3542..3689, 4032..4150		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	35235	Seq. ID	OJ990528_28.9A01.C2
Gene No.	72841	Strand	-
Start	1	End	4150
Name	OJ990528_28.9A01.C2.o2.np	Method	AAT/NAP
Start	25	End	2854
GI	1076205	Score	130
Exons	25..592, 2828..2854		
GI Descrip.	hypothetical protein WP6 - Chlamydomonas eugametos gi\|530878 (L29028) amino acid feature: N-glycosylation sites, aa 41 .. 43, 46 .. 48, 51 .. 53, 72 .. 74, 107 .. 109, 128 .. 130, 132 .. 134, 158 .. 160, 163 .. 165; amino acid feature: Rod protein domain, aa 169 .. 340; amino acid feature: globular pro...		

Seq. No.	35235	Seq. ID	OJ990528_28.9A01.C2
Gene No.	72841	Strand	-
Start	1	End	4150
Name	OJ990528_28.9A01.C2.o3.ts	Method	TBLASTX:Soybean
Start	1922	End	2287

GI	none	Score	188
Exons	1922..2287		

Seq. No.	35235	Seq. ID	OJ990528_28.9A01.C2
Gene No.	72841	Strand	-
Start	1	End	4150
Name	OJ990528_28.9A01.C2.o2.ts	Method	TBLASTX:Soybean
Start	2697	End	3062
GI	none	Score	139
Exons	2697..2921, 2711..2887, 2928..3062		

Seq. No.	35235	Seq. ID	OJ990528_28.9A01.C2
Gene No.	72841	Strand	-
Start	1	End	4150
Name	OJ990528_28.9A01.C2.o1.tw	Method	TBLASTX:Wheat
Start	2858	End	3263
GI	none	Score	80
Exons	2858..2905, 2859..2915, 2910..3263, 2918..3220, 2919..3263		

Seq. No.	35235	Seq. ID	OJ990528_28.9A01.C2
Gene No.	72841	Strand	-
Start	1	End	4150
Name	OJ990528_28.9A01.C2.o2.tm	Method	TBLASTX:Maize
Start	2913	End	3131
GI	none	Score	280
Exons	2913..3131, 2913..3113, 2918..3130		

Seq. No.	35235	Seq. ID	OJ990528_28.9A01.C2
Gene No.	72841	Strand	-
Start	1	End	4150
Name	OJ990528_28.9A01.C2.o1.tm	Method	TBLASTX:Maize
Start	3132	End	3592
GI	none	Score	532
Exons	3132..3590, 3132..3413, 3281..3592		

Seq. No.	35235	Seq. ID	OJ990528_28.9A01.C2
Gene No.	72841	Strand	-
Start	1	End	4150
Name	OJ990528_28.9A01.C2.o2.tw	Method	TBLASTX:Wheat
Start	3264	End	3584
GI	none	Score	180
Exons	3264..3584, 3338..3544		

Seq. No.	35235	Seq. ID	OJ990528_28.9A01.C2
Gene No.	72841	Strand	-
Start	1	End	4150
Name	OJ990528_28.9A01.C2.o1.ts	Method	TBLASTX:Soybean
Start	3279	End	3560
GI	none	Score	221
Exons	3279..3560, 3317..3454		

Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72842	Strand	+
Start	854	End	4090
Name	OJ990528_28.9A01.C3.o1.gs	Method	GENSCAN
Start	854	End	4090
GI	none	Score	.9

Exons	854..4090		
Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72842	Strand	+
Start	854	End	4090
Name	OJ990528_28.9A01.C3.o1.np	Method	AAT/NAP
Start	854	End	4087
GI	6907089	Score	4147
Exons	854..2115, 2209..4087		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72843	Strand	+
Start	10955	End	13446
Name	OJ990528_28.9A01.C3.o3.np	Method	AAT/NAP
Start	10955	End	13446
GI	5922623	Score	258
Exons	10955..11062, 11458..11577, 11745..11820, 13353..13446		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72843	Strand	+
Start	10955	End	13446
Name	OJ990528_28.9A01.C3.o3.gs	Method	GENSCAN
Start	11672	End	13323
GI	none	Score	.63
Exons	11672..11726, 11745..11820, 12314..12947, 13008..13151, 13219..13323		
Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72844	Strand	-
Start	4723	End	13247
Name	OJ990528_28.9A01.C3.o5.tm	Method	TBLASTX:Maize
Start	4682	End	4863
GI	none	Score	125
Exons	4682..4858, 4699..4863		
Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72844	Strand	-
Start	4723	End	13247
Name	OJ990528_28.9A01.C3.o2.np	Method	AAT/NAP
Start	4723	End	10369
GI	6498441	Score	6737
Exons	4723..5004, 5098..6495, 6667..7151, 7344..7582, 7757..7891, 8075..8448, 8512..8975, 9306..10369		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72844	Strand	-
Start	4723	End	13247
Name	OJ990528_28.9A01.C3.o7.tw	Method	TBLASTX:Wheat
Start	4732	End	5334
GI	none	Score	83

Exons	4732..4857, 4736..4858, 5050..5334, 5051..5329		
Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72844	Strand	-
Start	4723	End	13247
Name	OJ990528_28.9A01.C3.o4.tw	Method	TBLASTX:Wheat
Start	5335	End	5716
GI	none	Score	161
Exons	5335..5715, 5366..5614, 5660..5716		
Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72844	Strand	-
Start	4723	End	13247
Name	OJ990528_28.9A01.C3.o2.tm	Method	TBLASTX:Maize
Start	5530	End	13247
GI	none	Score	177
Exons	5530..5853, 5543..5824, 13068..13247		
Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72844	Strand	-
Start	4723	End	13247
Name	OJ990528_28.9A01.C3.o8.tw	Method	TBLASTX:Wheat
Start	6046	End	6358
GI	none	Score	56
Exons	6046..6306, 6157..6345, 6182..6358		
Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72844	Strand	-
Start	4723	End	13247
Name	OJ990528_28.9A01.C3.o1.ts	Method	TBLASTX:Soybean
Start	6262	End	12779
GI	none	Score	157
Exons	6262..6498, 6574..6672, 12369..12506, 12371..12520, 12527..12694, 12528..12779		
Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72844	Strand	-
Start	4723	End	13247
Name	OJ990528_28.9A01.C3.o5.tw	Method	TBLASTX:Wheat
Start	6361	End	12683
GI	none	Score	87
Exons	6361..6510, 6362..6499, 6364..6501, 6557..6730, 6571..6819, 6571..6795, 12401..12502, 12402..12503, 12543..12683, 12545..12619		
Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72844	Strand	-
Start	4723	End	13247
Name	OJ990528_28.9A01.C3.o2.ts	Method	TBLASTX:Soybean
Start	7420	End	7791
GI	none	Score	90
Exons	7420..7791, 7631..7774		
Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72844	Strand	-
Start	4723	End	13247
Name	OJ990528_28.9A01.C3.o2.tw	Method	TBLASTX:Wheat

Start	7445	End	7869
GI	none	Score	330
Exons	7445..7864, 7450..7869		

Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72844	Strand	-
Start	4723	End	13247
Name	OJ990528_28.9A01.C3.o3.tm	Method	TBLASTX:Maize
Start	7543	End	7927
GI	none	Score	206
Exons	7543..7926, 7562..7927		

Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72844	Strand	-
Start	4723	End	13247
Name	OJ990528_28.9A01.C3.o1.tm	Method	TBLASTX:Maize
Start	7954	End	8310
GI	none	Score	106
Exons	7954..8223, 7963..8310, 7964..8275		

Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72844	Strand	-
Start	4723	End	13247
Name	OJ990528_28.9A01.C3.o1.tw	Method	TBLASTX:Wheat
Start	7978	End	8440
GI	none	Score	393
Exons	7978..8439, 7979..8440		

Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72844	Strand	-
Start	4723	End	13247
Name	OJ990528_28.9A01.C3.o3.ts	Method	TBLASTX:Soybean
Start	8035	End	8400
GI	none	Score	117
Exons	8035..8169, 8176..8400		

Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72844	Strand	-
Start	4723	End	13247
Name	OJ990528_28.9A01.C3.o3.tw	Method	TBLASTX:Wheat
Start	8605	End	9091
GI	none	Score	168
Exons	8605..9090, 8609..8896, 8918..9091		

Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72844	Strand	-
Start	4723	End	13247
Name	OJ990528_28.9A01.C3.o6.tw	Method	TBLASTX:Wheat
Start	9829	End	10221
GI	none	Score	89
Exons	9829..10086, 9863..10102, 10069..10167, 10070..10150, 10174..10221		

Seq. No.	35236	Seq. ID	OJ990528_28.9A01.C3
Gene No.	72844	Strand	-
Start	4723	End	13247
Name	OJ990528_28.9A01.C3.o4.tm	Method	TBLASTX:Maize

Start	9931	End	10216
GI	none	Score	103
Exons	9931..10179, 9932..10216		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72845	Strand	+
Start	8044	End	10396
Name	OJ990528_28.9A01.C4.o3.gs	Method	GENSCAN
Start	8044	End	10396
GI	none	Score	.7
Exons	8044..8778, 9905..10157, 10257..10396		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72846	Strand	-
Start	290	End	4806
Name	OJ990528_28.9A01.C4.o1.gs	Method	GENSCAN
Start	290	End	4800
GI	none	Score	.61
Exons	290..882, 921..3994, 4049..4800		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72846	Strand	-
Start	290	End	4806
Name	OJ990528_28.9A01.C4.o1.np	Method	AAT/NAP
Start	293	End	4806
GI	4680179	Score	5310
Exons	293..3690, 3724..4806		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72847	Strand	-
Start	5055	End	7134
Name	OJ990528_28.9A01.C4.o2.gs	Method	GENSCAN
Start	5055	End	7040
GI	none	Score	.85
Exons	5055..5864, 6966..7040		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72847	Strand	-
Start	5055	End	7134
Name	OJ990528_28.9A01.C4.o1.gp	Method	AAT/GAP
Start	6753	End	7134
GI	uC-osflcyp033a04b1	Score	687
Exons	6753..7134		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o6.tw	Method	TBLASTX:Wheat
Start	338	End	671
GI	none	Score	134
Exons	338..670, 359..667, 402..671		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-

Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	518	End	9709
GI	none	Score	111
Exons	518..883, 533..796, 657..884, 861..1103, 890..1108, 895..1113, 912..1001, 959..1105, 9551..9709		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o2.tw	Method	TBLASTX:Wheat
Start	671	End	9826
GI	none	Score	34
Exons	671..886, 672..731, 783..881, 892..1293, 893..1237, 9467..9826		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o4.tm	Method	TBLASTX:Maize
Start	1162	End	1453
GI	none	Score	208
Exons	1162..1452, 1166..1453, 1250..1453		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o2.ts	Method	TBLASTX:Soybean
Start	1252	End	1512
GI	none	Score	148
Exons	1252..1512, 1253..1507		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o1.tc	Method	TBLASTX:Cress
Start	1276	End	1593
GI	none	Score	85
Exons	1276..1419, 1277..1417, 1420..1593		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o1.tw	Method	TBLASTX:Wheat
Start	1300	End	1878
GI	none	Score	343
Exons	1300..1878, 1301..1867		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o2.tm	Method	TBLASTX:Maize
Start	1858	End	2221
GI	none	Score	174
Exons	1858..2220, 1867..2220, 1871..2221		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-

Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o3.tw	Method	TBLASTX:Wheat
Start	1879	End	2293
GI	none	Score	353
Exons	1879..2292, 1880..2260, 1910..2293		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o4.ts	Method	TBLASTX:Soybean
Start	2041	End	2286
GI	none	Score	99
Exons	2041..2286, 2042..2284		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o3.tm	Method	TBLASTX:Maize
Start	2257	End	2757
GI	none	Score	50
Exons	2257..2571, 2300..2350, 2378..2431, 2578..2757, 2603..2749		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o5.tw	Method	TBLASTX:Wheat
Start	2295	End	2595
GI	none	Score	267
Exons	2295..2441, 2299..2595, 2309..2593		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o1.ts	Method	TBLASTX:Soybean
Start	2308	End	2703
GI	none	Score	199
Exons	2308..2667, 2309..2599, 2627..2665, 2671..2703, 2672..2701		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o4.tw	Method	TBLASTX:Wheat
Start	2644	End	3130
GI	none	Score	259
Exons	2644..3021, 2687..3130, 3076..3126		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o5.tm	Method	TBLASTX:Maize
Start	2825	End	3115
GI	none	Score	185
Exons	2825..3115, 2827..3114		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296

Name	OJ990528_28.9A01.C4.o8.tw	Method	TBLASTX:Wheat
Start	3226	End	3663
GI	none	Score	69
Exons	3226..3267, 3295..3408, 3296..3409, 3454..3663, 3455..3607		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o7.tm	Method	TBLASTX:Maize
Start	3346	End	3699
GI	none	Score	188
Exons	3346..3699		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o7.tw	Method	TBLASTX:Wheat
Start	3982	End	4333
GI	none	Score	112
Exons	3982..4332, 4139..4333		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o6.tm	Method	TBLASTX:Maize
Start	4027	End	4332
GI	none	Score	90
Exons	4027..4332, 4202..4318		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o9.tw	Method	TBLASTX:Wheat
Start	4366	End	4626
GI	none	Score	66
Exons	4366..4458, 4367..4564, 4369..4566, 4579..4626		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o3.ts	Method	TBLASTX:Soybean
Start	9917	End	10167
GI	none	Score	247
Exons	9917..10162, 9917..10156, 9919..10167		

Seq. No.	35237	Seq. ID	OJ990528_28.9A01.C4
Gene No.	72848	Strand	-
Start	11479	End	14296
Name	OJ990528_28.9A01.C4.o4.gs	Method	GENSCAN
Start	11479	End	14296
GI	none	Score	.4
Exons	11479..11618, 12305..12371, 12619..12850, 12856..12997, 13759..13853, 13935..14296		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72849	Strand	+
Start	1	End	181

Name	OJ990528_28.9A01.C5.o1.np	Method	AAT/NAP
Start	1	End	181
GI	6063554	Score	99
Exons	1..181		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72850	Strand	+
Start	551	End	827
Name	OJ990528_28.9A01.C5.o1.gp	Method	AAT/GAP
Start	551	End	827
GI	61605_1.R1084	Score	407
Exons	551..827		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72851	Strand	+
Start	4263	End	4374
Name	OJ990528_28.9A01.C5.o2.gp	Method	AAT/GAP
Start	4263	End	4374
GI	uC-osflcyp088b12b1	Score	160
Exons	4263..4374		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72852	Strand	+
Start	15340	End	32093
Name	OJ990528_28.9A01.C5.o4.gs	Method	GENSCAN
Start	15340	End	32093
GI	none	Score	.45
Exons	15340..15541, 16038..16185, 16269..16290, 16939..17131, 17672..17882, 17979..18121, 18390..18740, 18755..19269, 19575..19774, 20047..20312, 21544..21573, 21629..22098, 23125..23194, 24424..24634, 24894..24994, 27481..27588, 27758..27822, 29388..29491, 31198..31329, 31391..31662, 31664..31852, 32044..32093		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72852	Strand	+
Start	15340	End	32093
Name	OJ990528_28.9A01.C5.o4.np	Method	AAT/NAP
Start	16647	End	20470
GI	4680179	Score	4829
Exons	16647..20470		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72853	Strand	+
Start	39342	End	39826
Name	OJ990528_28.9A01.C5.o6.gs	Method	GENSCAN
Start	39342	End	39826
GI	none	Score	.83
Exons	39342..39392, 39722..39826		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72854	Strand	+
Start	46000	End	48283
Name	OJ990528_28.9A01.C5.o9.gs	Method	GENSCAN
Start	46000	End	48283
GI	none	Score	.43
Exons	46000..46082, 46428..46549, 46966..47099, 47246..47484, 47566..47602, 47865..48056, 48164..48283		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72855	Strand	+
Start	50031	End	53320
Name	OJ990528_28.9A01.C5.o10.gs	Method	GENSCAN
Start	50031	End	53251
GI	none	Score	.52
Exons	50031..50103, 50832..51505, 51573..51797, 51881..53251		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72855	Strand	+
Start	50031	End	53320
Name	OJ990528_28.9A01.C5.o8.np	Method	AAT/NAP
Start	50834	End	53320
GI	4559347	Score	746
Exons	50834..51505, 51576..51797, 51881..52066, 52349..52508, 52950..53320		
GI Descrip.	(AC006585) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72856	Strand	-
Start	933	End	3233
Name	OJ990528_28.9A01.C5.o1.gs	Method	GENSCAN
Start	933	End	3233
GI	none	Score	.45
Exons	933..1241, 1294..1686, 2795..2945, 2977..3233		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72857	Strand	-
Start	4524	End	12863
Name	OJ990528_28.9A01.C5.o2.gs	Method	GENSCAN
Start	4524	End	11271
GI	none	Score	.65
Exons	4524..4765, 5059..5118, 5195..5195, 5276..5497, 5699..7149, 7268..7364, 9068..9161, 9513..9705, 10593..10803, 10885..11271		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72857	Strand	-
Start	4524	End	12863
Name	OJ990528_28.9A01.C5.o2.np	Method	AAT/NAP
Start	9641	End	12863
GI	3319345	Score	668
Exons	9641..9664, 11083..11986, 12084..12545, 12647..12863		
GI Descrip.	(AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72858	Strand	-

Start	36783	End	37286
Name	OJ990528_28.9A01.C5.o5.gs	Method	GENSCAN
Start	36783	End	37286
GI	none	Score	.87
Exons	36783..37286		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o7.tm	Method	TBLASTX:Maize
Start	11104	End	11308
GI	none	Score	48
Exons	11104..11307, 11179..11229, 11207..11308		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o6.ts	Method	TBLASTX:Soybean
Start	11309	End	11704
GI	none	Score	206
Exons	11309..11704		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o5.tm	Method	TBLASTX:Maize
Start	11357	End	11953
GI	none	Score	49
Exons	11357..11461, 11537..11878, 11879..11953		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o9.tw	Method	TBLASTX:Wheat
Start	17130	End	17484
GI	none	Score	238
Exons	17130..17270, 17131..17484		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o7.tw	Method	TBLASTX:Wheat
Start	17656	End	43746
GI	none	Score	157
Exons	17656..17829, 17670..17828, 17934..18095, 17935..18129, 43654..43746		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o4.tm	Method	TBLASTX:Maize
Start	17673	End	43890
GI	none	Score	272
Exons	17673..17738, 17674..17955, 17766..17954, 17800..17955, 43741..43890		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5

Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o1.ts	Method	TBLASTX:Soybean
Start	17833	End	44148
GI	none	Score	74
Exons	17833..17928, 43725..43859, 43726..44148, 43733..44035		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o4.tw	Method	TBLASTX:Wheat
Start	17833	End	44149
GI	none	Score	68
Exons	17833..17934, 43747..44148, 43748..43801, 43856..44035, 44102..44149		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o3.ts	Method	TBLASTX:Soybean
Start	18079	End	43578
GI	none	Score	52
Exons	18079..18111, 18081..18110, 18111..18263, 18150..18275, 18277..18468, 18278..18469, 43228..43578, 43247..43417		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o3.tw	Method	TBLASTX:Wheat
Start	18277	End	43650
GI	none	Score	132
Exons	18277..18471, 18278..18469, 18367..18471, 43225..43650, 43250..43516, 43261..43629, 43598..43648		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o6.tm	Method	TBLASTX:Maize
Start	18278	End	43485
GI	none	Score	214
Exons	18278..18550, 18298..18546, 43081..43485, 43082..43165, 43247..43393		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o5.ts	Method	TBLASTX:Soybean
Start	18482	End	43213
GI	none	Score	100
Exons	18482..18619, 42991..43212, 43061..43213		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o2.tw	Method	TBLASTX:Wheat
Start	18485	End	43047
GI	none	Score	337

Exons	18485..18754, 18517..18774, 18648..18758, 18751..18897, 18756..18908, 18757..18996, 42769..43047		
Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o2.tm	Method	TBLASTX:Maize
Start	18557	End	43080
GI	none	Score	232
Exons	18557..18748, 18559..18642, 18661..18741, 18757..18915, 18762..18908, 42769..43080, 42782..42976		
Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o5.tw	Method	TBLASTX:Wheat
Start	19056	End	19460
GI	none	Score	303
Exons	19056..19355, 19057..19359, 19357..19407, 19359..19409, 19391..19456, 19407..19460		
Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o7.ts	Method	TBLASTX:Soybean
Start	19252	End	19508
GI	none	Score	83
Exons	19252..19359, 19255..19344, 19257..19358, 19321..19407, 19348..19407, 19371..19409, 19407..19508, 19412..19507		
Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o3.tm	Method	TBLASTX:Maize
Start	19311	End	19598
GI	none	Score	55
Exons	19311..19355, 19312..19359, 19357..19410, 19359..19406, 19409..19594, 19410..19598, 19440..19595		
Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o1.tw	Method	TBLASTX:Wheat
Start	19467	End	42145
GI	none	Score	609
Exons	19467..20090, 19523..19981, 19533..20048, 41840..42145		
Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o4.ts	Method	TBLASTX:Soybean
Start	19518	End	42312
GI	none	Score	130
Exons	19518..19727, 41999..42202, 42000..42206, 42188..42274, 42199..42273, 42271..42312, 42272..42310		
Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5

Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o1.tm	Method	TBLASTX:Maize
Start	19647	End	42049
GI	none	Score	198
Exons	19647..19808, 19655..19792, 19806..20090, 19826..19957, 20072..20233, 41840..41893, 41900..42049		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o6.tw	Method	TBLASTX:Wheat
Start	20098	End	20425
GI	none	Score	311
Exons	20098..20202, 20099..20425, 20117..20209, 20338..20424		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o7.gs	Method	GENSCAN
Start	41355	End	41718
GI	none	Score	.81
Exons	41355..41417, 41501..41597, 41651..41718		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o6.np	Method	AAT/NAP
Start	41413	End	47881
GI	6691191	Score	2773
Exons	41413..44354, 47796..47881		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o2.ts	Method	TBLASTX:Soybean
Start	41471	End	41998
GI	none	Score	128
Exons	41471..41524, 41510..41596, 41609..41998, 41757..41975		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o11.tw	Method	TBLASTX:Wheat
Start	41606	End	41840
GI	none	Score	87
Exons	41606..41839, 41636..41791, 41781..41840		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o8.gs	Method	GENSCAN
Start	42226	End	45696
GI	none	Score	.78
Exons	42226..42385, 42401..43606, 43637..44924, 44965..45081, 45160..45344, 45485..45696		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o8.tw	Method	TBLASTX:Wheat
Start	42295	End	42627
GI	none	Score	276
Exons	42295..42627		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o1.tc	Method	TBLASTX:Cress
Start	42334	End	42717
GI	none	Score	72
Exons	42334..42627, 42335..42628, 42640..42717		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o8.ts	Method	TBLASTX:Soybean
Start	42760	End	42894
GI	none	Score	118
Exons	42760..42894, 42761..42880, 42778..42894		

Seq. No.	35238	Seq. ID	OJ990528_28.9A01.C5
Gene No.	72859	Strand	-
Start	41355	End	47881
Name	OJ990528_28.9A01.C5.o10.tw	Method	TBLASTX:Wheat
Start	43047	End	43225
GI	none	Score	133
Exons	43047..43220, 43057..43224, 43058..43225		

Seq. No.	35239	Seq. ID	OJ990528_28.9A01.C6
Gene No.	72860	Strand	+
Start	1	End	6753
Name	OJ990528_28.9A01.C6.o1.np	Method	AAT/NAP
Start	1	End	5879
GI	4885183	Score	333
Exons	1..28, 455..499, 677..708, 1324..1596, 1624..1932, 2111..2218, 2571..2642, 4557..4655, 4766..4807, 4943..5023, 5122..5172, 5256..5337, 5720..5879		
GI Descrip.	diaphanous 1 gi\|6225268\|sp\|O60610\|DIA1_HUMAN DIAPHANOUS PROTEIN HOMOLOG 1 gi\|2947238 (AF051782) diaphanous 1 [Homo sapiens]		

Seq. No.	35239	Seq. ID	OJ990528_28.9A01.C6
Gene No.	72860	Strand	+
Start	1	End	6753
Name	OJ990528_28.9A01.C6.o1.gs	Method	GENSCAN
Start	133	End	6753
GI	none	Score	.76
Exons	133..499, 623..1922, 2092..2215, 2571..2642, 4557..4655, 4766..4807, 5122..5172, 5256..5337, 5720..5809, 6456..6571, 6700..6753		

Seq. No.	35239	Seq. ID	OJ990528_28.9A01.C6
Gene No.	72861	Strand	+

Start	8658	End	8843
Name	OJ990528_28.9A01.C6.o3.np	Method	AAT/NAP
Start	8658	End	8843
GI	2244784	Score	58
Exons	8658..8843		
GI Descrip.	(Z97335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35239	Seq. ID	OJ990528_28.9A01.C6
Gene No.	72862	Strand	-
Start	8558	End	9090
Name	OJ990528_28.9A01.C6.o2.ts	Method	TBLASTX:Soybean
Start	4567	End	5805
GI	none	Score	89
Exons	4567..4656, 4567..4656, 4763..4807, 4771..4815, 4939..5013, 4940..5011, 5122..5175, 5253..5342, 5264..5338, 5718..5801, 5719..5805		

Seq. No.	35239	Seq. ID	OJ990528_28.9A01.C6
Gene No.	72862	Strand	-
Start	8558	End	9090
Name	OJ990528_28.9A01.C6.o1.tw	Method	TBLASTX:Wheat
Start	7203	End	7520
GI	none	Score	84
Exons	7203..7427, 7203..7520		

Seq. No.	35239	Seq. ID	OJ990528_28.9A01.C6
Gene No.	72862	Strand	-
Start	8558	End	9090
Name	OJ990528_28.9A01.C6.o1.ts	Method	TBLASTX:Soybean
Start	7865	End	8347
GI	none	Score	41
Exons	7865..7948, 7940..7972, 7944..7973, 8018..8347, 8046..8231		

Seq. No.	35239	Seq. ID	OJ990528_28.9A01.C6
Gene No.	72862	Strand	-
Start	8558	End	9090
Name	OJ990528_28.9A01.C6.o1.tm	Method	TBLASTX:Maize
Start	7962	End	8279
GI	none	Score	240
Exons	7962..8279, 7967..8275		

Seq. No.	35239	Seq. ID	OJ990528_28.9A01.C6
Gene No.	72862	Strand	-
Start	8558	End	9090
Name	OJ990528_28.9A01.C6.o2.np	Method	AAT/NAP
Start	8003	End	8352
GI	4185148	Score	100
Exons	8003..8352		
GI Descrip.	(AC005724) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	35239	Seq. ID	OJ990528_28.9A01.C6
Gene No.	72862	Strand	-
Start	8558	End	9090
Name	OJ990528_28.9A01.C6.o2.gs	Method	GENSCAN
Start	8558	End	9090
GI	none	Score	.91

Exons	8558..8784, 8862..9090		
Seq. No.	35239	Seq. ID	OJ990528_28.9A01.C6
Gene No.	72862	Strand	-
Start	8558	End	9090
Name	OJ990528_28.9A01.C6.o2.tm	Method	TBLASTX:Maize
Start	8675	End	8869
GI	none	Score	182
Exons	8675..8869, 8692..8868		
Seq. No.	35240	Seq. ID	OJ990528_28.9A01.C7
Gene No.	72863	Strand	+
Start	400	End	1744
Name	OJ990528_28.9A01.C7.o1.gs	Method	GENSCAN
Start	400	End	1744
GI	none	Score	.77
Exons	400..516, 893..961, 1661..1744		
Seq. No.	35240	Seq. ID	OJ990528_28.9A01.C7
Gene No.	72864	Strand	-
Start	3314	End	4564
Name	OJ990528_28.9A01.C7.o2.gs	Method	GENSCAN
Start	3314	End	4564
GI	none	Score	.75
Exons	3314..3513, 4513..4564		
Seq. No.	35241	Seq. ID	OJ990528_28.9A01.C8
Gene No.	72865	Strand	-
Start	1	End	1707
Name	OJ990528_28.9A01.C8.o1.np	Method	AAT/NAP
Start	1	End	1707
GI	5295955	Score	417
Exons	1..186, 242..269, 951..1065, 1608..1707		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	35241	Seq. ID	OJ990528_28.9A01.C8
Gene No.	72865	Strand	-
Start	1	End	1707
Name	OJ990528_28.9A01.C8.o1.gs	Method	GENSCAN
Start	446	End	1683
GI	none	Score	.63
Exons	446..534, 942..1065, 1540..1683		
Seq. No.	35242	Seq. ID	OJ990528_28.9A01.C9
Gene No.	72866	Strand	+
Start	1473	End	2338
Name	OJ990528_28.9A01.C9.o1.gp	Method	AAT/GAP
Start	1473	End	2242
GI	10994_1.R1084	Score	888
Exons	1473..1677, 1834..1909, 2031..2242		
GI Descrip.	'4467145/emb\|CAB37514\| 7.0e-29 (AL035540) farnesylated protein (ATFP6) [Arabidopsis thaliana]'		
Seq. No.	35242	Seq. ID	OJ990528_28.9A01.C9
Gene No.	72866	Strand	+
Start	1473	End	2338

Name	OJ990528_28.9A01.C9.o1.np	Method	AAT/NAP
Start	1648	End	2338
GI	4097573	Score	448
Exons	1648..1677, 1834..1909, 2031..2338		
GI Descrip.	(U64917) GMFP7 [Glycine max]		

Seq. No.	35242	Seq. ID	OJ990528_28.9A01.C9
Gene No.	72867	Strand	+
Start	8435	End	9207
Name	OJ990528_28.9A01.C9.o3.gs	Method	GENSCAN
Start	8435	End	9207
GI	none	Score	.79
Exons	8435..8593, 8858..9001, 9019..9207		

Seq. No.	35242	Seq. ID	OJ990528_28.9A01.C9
Gene No.	72868	Strand	+
Start	11310	End	11753
Name	OJ990528_28.9A01.C9.o5.gp	Method	AAT/GAP
Start	11310	End	11753
GI	uC-osroM202031a12b1	Score	830
Exons	11310..11753		
GI Descrip.	'3879119/emb\|CAA94368.1\| 2.0e-17 (Z70310) similar to Glutathione S-transferases ; cDNA EST yk536e7.3 comes from this gene [Caenorhabditis elegans]'		

Seq. No.	35242	Seq. ID	OJ990528_28.9A01.C9
Gene No.	72869	Strand	-
Start	2316	End	2654
Name	OJ990528_28.9A01.C9.o2.gp	Method	AAT/GAP
Start	2316	End	2654
GI	uC-osroM202016a12a1	Score	615
Exons	2316..2654		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	35242	Seq. ID	OJ990528_28.9A01.C9
Gene No.	72870	Strand	-
Start	6382	End	18389
Name	OJ990528_28.9A01.C9.o1.tm	Method	TBLASTX:Maize
Start	1582	End	2341
GI	none	Score	141
Exons	1582..1683, 1597..1677, 1623..1685, 1827..1907, 1827..1910, 1828..1911, 2029..2340, 2030..2341, 2303..2341		

Seq. No.	35242	Seq. ID	OJ990528_28.9A01.C9
Gene No.	72870	Strand	-
Start	6382	End	18389
Name	OJ990528_28.9A01.C9.o1.tc	Method	TBLASTX:Cress
Start	1827	End	2341
GI	none	Score	111
Exons	1827..1910, 1831..1911, 2029..2238, 2030..2236, 2237..2341, 2278..2340		

Seq. No.	35242	Seq. ID	OJ990528_28.9A01.C9
Gene No.	72870	Strand	-
Start	6382	End	18389
Name	OJ990528_28.9A01.C9.o1.ts	Method	TBLASTX:Soybean

Start	1827	End	2350
GI	none	Score	119
Exons	1827..1910, 1828..1911, 2029..2343, 2030..2350		

Seq. No.	35242	Seq. ID	OJ990528_28.9A01.C9
Gene No.	72870	Strand	-
Start	6382	End	18389
Name	OJ990528_28.9A01.C9.o2.gs	Method	GENSCAN
Start	6382	End	7048
GI	none	Score	.96
Exons	6382..6960, 6965..7048		

Seq. No.	35242	Seq. ID	OJ990528_28.9A01.C9
Gene No.	72870	Strand	-
Start	6382	End	18389
Name	OJ990528_28.9A01.C9.o2.np	Method	AAT/NAP
Start	6709	End	17928
GI	5852180	Score	376
Exons	6709..7081, 8111..8187, 17885..17928		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	35242	Seq. ID	OJ990528_28.9A01.C9
Gene No.	72870	Strand	-
Start	6382	End	18389
Name	OJ990528_28.9A01.C9.o4.gp	Method	AAT/GAP
Start	8470	End	8775
GI	61605_3.R1084	Score	439
Exons	8470..8775		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	35242	Seq. ID	OJ990528_28.9A01.C9
Gene No.	72870	Strand	-
Start	6382	End	18389
Name	OJ990528_28.9A01.C9.o4.gs	Method	GENSCAN
Start	9823	End	14842
GI	none	Score	.6
Exons	9823..9939, 11777..11854, 12605..12674, 13704..13783, 13860..13978, 14463..14541, 14804..14842		

Seq. No.	35242	Seq. ID	OJ990528_28.9A01.C9
Gene No.	72870	Strand	-
Start	6382	End	18389
Name	OJ990528_28.9A01.C9.o3.tm	Method	TBLASTX:Maize
Start	9979	End	10321
GI	none	Score	62
Exons	9979..10086, 10088..10141, 10154..10252, 10173..10286, 10268..10321		

Seq. No.	35242	Seq. ID	OJ990528_28.9A01.C9
Gene No.	72870	Strand	-
Start	6382	End	18389
Name	OJ990528_28.9A01.C9.o3.np	Method	AAT/NAP
Start	11631	End	18373
GI	6560732	Score	422
Exons	11631..11696, 11777..11836, 12587..12674, 13704..13783, 13860..13978, 14460..14606, 17615..17681, 17769..17969,		

	18037..18373		
GI Descrip.	(AF209069) hypothetical protein [Homo sapiens]		
Seq. No.	35242	Seq. ID	OJ990528_28.9A01.C9
Gene No.	72870	Strand	-
Start	6382	End	18389
Name	OJ990528_28.9A01.C9.o1.tw	Method	TBLASTX:Wheat
Start	11635	End	13953
GI	none	Score	67
Exons	11635..11685, 11643..11714, 11644..11718, 11645..11716, 11652..11723, 11769..11861, 11775..11849, 11777..11860, 12605..12676, 12606..12719, 12607..12678, 12608..12679, 13676..13783, 13704..13784, 13711..13785, 13853..13951, 13858..13953, 13860..13952		
Seq. No.	35242	Seq. ID	OJ990528_28.9A01.C9
Gene No.	72870	Strand	-
Start	6382	End	18389
Name	OJ990528_28.9A01.C9.o2.ts	Method	TBLASTX:Soybean
Start	17611	End	17855
GI	none	Score	93
Exons	17611..17682, 17613..17681, 17769..17855, 17770..17799		
Seq. No.	35242	Seq. ID	OJ990528_28.9A01.C9
Gene No.	72870	Strand	-
Start	6382	End	18389
Name	OJ990528_28.9A01.C9.o2.tm	Method	TBLASTX:Maize
Start	17767	End	18115
GI	none	Score	122
Exons	17767..17871, 17769..17879, 17769..17888, 17770..17883, 17880..17969, 17886..17969, 18031..18108, 18038..18115		
Seq. No.	35242	Seq. ID	OJ990528_28.9A01.C9
Gene No.	72870	Strand	-
Start	6382	End	18389
Name	OJ990528_28.9A01.C9.o6.gp	Method	AAT/GAP
Start	17803	End	18389
GI	26088_1.R1084	Score	1020
Exons	17803..17969, 18037..18389		
GI Descrip.	'3879119/emb\|CAA94368.1\| 2.0e-17 (Z70310) similar to Glutathione S-transferases.; cDNA EST yk536e7.3 comes from this gene [Caenorhabditis elegans]'		
Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72871	Strand	+
Start	4070	End	14960
Name	OJ990528_28.9A01.C10.o2.gs	Method	GENSCAN
Start	4070	End	14960
GI	none	Score	.43
Exons	4070..5183, 6300..6540, 8618..8848, 8993..9113, 9151..9307, 9490..10618, 10671..11655, 12652..12765, 13301..14329, 14448..14960		
Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72871	Strand	+
Start	4070	End	14960
Name	OJ990528_28.9A01.C10.o1.gp	Method	AAT/GAP

Start	6352	End	7086
GI	101153_1.R1084	Score	578
Exons	6352..6540, 6858..7086		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72871	Strand	+
Start	4070	End	14960
Name	OJ990528_28.9A01.C10.o2.gp	Method	AAT/GAP
Start	7104	End	7531
GI	2428185	Score	801
Exons	7104..7531		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72871	Strand	+
Start	4070	End	14960
Name	OJ990528_28.9A01.C10.o1.np	Method	AAT/NAP
Start	9223	End	12324
GI	6630685	Score	4649
Exons	9223..9294, 9584..12324		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72872	Strand	-
Start	485	End	1595
Name	OJ990528_28.9A01.C10.o1.gs	Method	GENSCAN
Start	485	End	1595
GI	none	Score	.48
Exons	485..658, 899..1033, 1371..1595		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72873	Strand	-
Start	8060	End	9474
Name	OJ990528_28.9A01.C10.o4.ts	Method	TBLASTX:Soybean
Start	4172	End	9303
GI	none	Score	73
Exons	4172..4279, 4283..4618, 9108..9149, 9175..9303		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72873	Strand	-
Start	8060	End	9474
Name	OJ990528_28.9A01.C10.o4.tw	Method	TBLASTX:Wheat
Start	4175	End	4570
GI	none	Score	259
Exons	4175..4270, 4177..4275, 4178..4570		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72873	Strand	-
Start	8060	End	9474
Name	OJ990528_28.9A01.C10.o7.tm	Method	TBLASTX:Maize
Start	4328	End	4729
GI	none	Score	220
Exons	4328..4729, 4469..4579		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72873	Strand	-
Start	8060	End	9474
Name	OJ990528_28.9A01.C10.o3.gp	Method	AAT/GAP
Start	8060	End	8358
GI	61605_3.R1084	Score	448
Exons	8060..8358		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72873	Strand	-
Start	8060	End	9474
Name	OJ990528_28.9A01.C10.o6.tm	Method	TBLASTX:Maize
Start	9056	End	9396
GI	none	Score	96
Exons	9056..9130, 9057..9134, 9154..9396, 9162..9395		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72873	Strand	-
Start	8060	End	9474
Name	OJ990528_28.9A01.C10.o5.tw	Method	TBLASTX:Wheat
Start	9175	End	9474
GI	none	Score	221
Exons	9175..9474, 9180..9209, 9264..9389		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72874	Strand	
Start	9397	End	10584
Name	OJ990528_28.9A01.C10.o5.tm	Method	TBLASTX:Maize
Start	9397	End	9791
GI	none	Score	131
Exons	9397..9513, 9405..9512, 9515..9790, 9519..9791		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72874	Strand	
Start	9397	End	10584
Name	OJ990528_28.9A01.C10.o1.tw	Method	TBLASTX:Wheat
Start	9555	End	10127
GI	none	Score	240
Exons	9555..9803, 9563..9787, 9725..9832, 9727..9855, 9814..9858, 9839..10126, 9846..10127		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72874	Strand	
Start	9397	End	10584
Name	OJ990528_28.9A01.C10.o2.tm	Method	TBLASTX:Maize
Start	9792	End	10584
GI	none	Score	105
Exons	9792..9863, 9797..10537, 9864..10538, 9943..10548, 10540..10584		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72874	Strand	
Start	9397	End	10584
Name	OJ990528_28.9A01.C10.o3.ts	Method	TBLASTX:Soybean
Start	9972	End	10433

GI	none	Score	312
Exons	9972..10433, 9992..10282		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72874	Strand	
Start	9397	End	10584
Name	OJ990528_28.9A01.C10.o1.tc	Method	TBLASTX:Cress
Start	10008	End	10430
GI	none	Score	226
Exons	10008..10430		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72874	Strand	
Start	9397	End	10584
Name	OJ990528_28.9A01.C10.o3.tw	Method	TBLASTX:Wheat
Start	10215	End	10538
GI	none	Score	127
Exons	10215..10304, 10217..10291, 10304..10468, 10479..10538	10290..10454, 10293..10457,	

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72875	Strand	
Start	10665	End	11535
Name	OJ990528_28.9A01.C10.o4.tm	Method	TBLASTX:Maize
Start	10665	End	10982
GI	none	Score	471
Exons	10665..10982, 10666..10980		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72875	Strand	
Start	10665	End	11535
Name	OJ990528_28.9A01.C10.o1.ts	Method	TBLASTX:Soybean
Start	10689	End	11297
GI	5509260	Score	240
Exons	10689..10904, 10690..10905, 10914..11297, 10915..11295		
GI Descrip.	-		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72875	Strand	
Start	10665	End	11535
Name	OJ990528_28.9A01.C10.o2.tw	Method	TBLASTX:Wheat
Start	10815	End	11283
GI	none	Score	89
Exons	10815..10904, 10831..10905, 10899..10934, 10926..11081, 10934..11140, 10936..11283, 10938..11270		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72875	Strand	
Start	10665	End	11535
Name	OJ990528_28.9A01.C10.o2.tc	Method	TBLASTX:Cress
Start	10897	End	11178
GI	none	Score	210
Exons	10897..11178, 10899..11144		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72875	Strand	
Start	10665	End	11535

Name	OJ990528_28.9A01.C10.o3.tm	Method	TBLASTX:Maize
Start	11099	End	11535
GI	none	Score	626
Exons	11099..11506, 11100..11534, 11101..11535		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72876	Strand	
Start	11467	End	12357
Name	OJ990528_28.9A01.C10.o6.tw	Method	TBLASTX:Wheat
Start	11467	End	11883
GI	none	Score	87
Exons	11467..11619, 11647..11883		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72876	Strand	
Start	11467	End	12357
Name	OJ990528_28.9A01.C10.o1.tm	Method	TBLASTX:Maize
Start	11650	End	12357
GI	none	Score	978
Exons	11650..12354, 11658..12347, 11998..12357		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72876	Strand	
Start	11467	End	12357
Name	OJ990528_28.9A01.C10.o2.ts	Method	TBLASTX:Soybean
Start	11668	End	12309
GI	none	Score	298
Exons	11668..12057, 11680..11796, 11892..12056, 12076..12309		

Seq. No.	35243	Seq. ID	OJ990528_28.9A01.C10
Gene No.	72876	Strand	
Start	11467	End	12357
Name	OJ990528_28.9A01.C10.o7.tw	Method	TBLASTX:Wheat
Start	11893	End	12273
GI	none	Score	94
Exons	11893..12066, 11961..12041, 12085..12273, 12144..12260		

Seq. No.	35244	Seq. ID	OJ990428_21.9A08.C1
Gene No.	72877	Strand	+
Start	28	End	85
Name	OJ990428_21.9A08.C1.o1.gs	Method	GENSCAN
Start	28	End	85
GI	none	Score	.89
Exons	28..85		

Seq. No.	35245	Seq. ID	OJ990428_21.9A08.C2
Gene No.	72878	Strand	+
Start	439	End	820
Name	OJ990428_21.9A08.C2.o1.gp	Method	AAT/GAP
Start	439	End	820
GI	uC-osflcyp033a04b1	Score	679
Exons	439..820		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35245	Seq. ID	OJ990428_21.9A08.C2
Gene No.	72879	Strand	-

Start	367	End	825
Name	OJ990428_21.9A08.C2.o1.np	Method	AAT/NAP
Start	367	End	825
GI	4680186	Score	267
Exons	367..597, 724..825		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35245	Seq. ID	OJ990428_21.9A08.C2
Gene No.	72879	Strand	-
Start	367	End	825
Name	OJ990428_21.9A08.C2.o2.np	Method	AAT/NAP
Start	669	End	825
GI	5852180	Score	51
Exons	669..739, 792..825		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	35246	Seq. ID	OJ990428_21.9A08.C5
Gene No.	72880	Strand	+
Start	265	End	4643
Name	OJ990428_21.9A08.C5.o1.np	Method	AAT/NAP
Start	265	End	4643
GI	4680204	Score	891
Exons	265..1701, 1797..2293, 4592..4643		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	35246	Seq. ID	OJ990428_21.9A08.C5
Gene No.	72881	Strand	-
Start	4225	End	4606
Name	OJ990428_21.9A08.C5.o1.gp	Method	AAT/GAP
Start	4225	End	4606
GI	uC-osflcyp033a04b1	Score	659
Exons	4225..4606		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35246	Seq. ID	OJ990428_21.9A08.C5
Gene No.	72882	Strand	-
Start	6675	End	7634
Name	OJ990428_21.9A08.C5.o3.tw	Method	TBLASTX:Wheat
Start	910	End	1311
GI	none	Score	214
Exons	910..1146, 910..1104, 966..1151, 1141..1311, 1236..1310		

Seq. No.	35246	Seq. ID	OJ990428_21.9A08.C5
Gene No.	72882	Strand	-
Start	6675	End	7634
Name	OJ990428_21.9A08.C5.o2.np	Method	AAT/NAP
Start	6675	End	7634
GI	4680179	Score	1301
Exons	6675..7634		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35246	Seq. ID	OJ990428_21.9A08.C5
Gene No.	72882	Strand	-
Start	6675	End	7634
Name	OJ990428_21.9A08.C5.o2.tw	Method	TBLASTX:Wheat
Start	6780	End	7053

GI	none	Score	157
Exons	6780..7052, 6784..7053		

Seq. No.	35246	Seq. ID	OJ990428_21.9A08.C5
Gene No.	72882	Strand	-
Start	6675	End	7634
Name	OJ990428_21.9A08.C5.o1.tm	Method	TBLASTX:Maize
Start	6900	End	7499
GI	none	Score	234
Exons	6900..7340, 6916..7338, 7338..7499, 7345..7491		

Seq. No.	35246	Seq. ID	OJ990428_21.9A08.C5
Gene No.	72882	Strand	-
Start	6675	End	7634
Name	OJ990428_21.9A08.C5.o1.tw	Method	TBLASTX:Wheat
Start	7053	End	7634
GI	none	Score	90
Exons	7053..7634, 7056..7307, 7165..7506, 7338..7586		

Seq. No.	35247	Seq. ID	OJ990428_21.9A08.C6
Gene No.	72883	Strand	+
Start	1	End	8854
Name	OJ990428_21.9A08.C6.o2.np	Method	AAT/NAP
Start	1	End	2983
GI	6069646	Score	138
Exons	1..27, 2585..2983		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	35247	Seq. ID	OJ990428_21.9A08.C6
Gene No.	72883	Strand	+
Start	1	End	8854
Name	OJ990428_21.9A08.C6.o1.gs	Method	GENSCAN
Start	399	End	480
GI	none	Score	.49
Exons	399..480		

Seq. No.	35247	Seq. ID	OJ990428_21.9A08.C6
Gene No.	72883	Strand	+
Start	1	End	8854
Name	OJ990428_21.9A08.C6.o2.gs	Method	GENSCAN
Start	1513	End	8854
GI	none	Score	.47
Exons	1513..1542, 2137..2262, 3595..3747, 3831..3872, 3945..4216, 5968..6097, 6329..6606, 6637..6742, 7044..7173, 7200..7405, 7483..7639, 8580..8854		

Seq. No.	35247	Seq. ID	OJ990428_21.9A08.C6
Gene No.	72883	Strand	+
Start	1	End	8854
Name	OJ990428_21.9A08.C6.o3.np	Method	AAT/NAP
Start	6112	End	7139
GI	2454602	Score	385
Exons	6112..6258, 6342..6709, 7012..7139		

GI Descrip. (AF016327) Barperm1 [Hordeum vulgare]

Seq. No.	35247	Seq. ID	OJ990428_21.9A08.C6
Gene No.	72884	Strand	-
Start	617	End	694
Name	OJ990428_21.9A08.C6.o1.np	Method	AAT/NAP
Start	617	End	694
GI	6630699	Score	79
Exons	617..694		

GI Descrip. (AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No.	35247	Seq. ID	OJ990428_21.9A08.C6
Gene No.	72885	Strand	
Start	2576	End	3017
Name	OJ990428_21.9A08.C6.o1.tm	Method	TBLASTX:Maize
Start	2576	End	3017
GI	none	Score	91
Exons	2576..2689, 2584..2670, 2726..2749, 2786..3016, 2787..3017		

Seq. No.	35247	Seq. ID	OJ990428_21.9A08.C6
Gene No.	72886	Strand	
Start	3064	End	3276
Name	OJ990428_21.9A08.C6.o1.tw	Method	TBLASTX:Wheat
Start	3064	End	3276
GI	none	Score	220
Exons	3064..3276, 3067..3261		

Seq. No.	35248	Seq. ID	OJ990428_21.9A08.C7
Gene No.	72887	Strand	+
Start	140	End	244
Name	OJ990428_21.9A08.C7.o1.gs	Method	GENSCAN
Start	140	End	244
GI	none	Score	.6
Exons	140..244		

Seq. No.	35248	Seq. ID	OJ990428_21.9A08.C7
Gene No.	72888	Strand	+
Start	2338	End	2451
Name	OJ990428_21.9A08.C7.o1.gp	Method	AAT/GAP
Start	2338	End	2451
GI	LIB3477-003-P1-K1-E9	Score	96
Exons	2338..2451		

GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	35248	Seq. ID	OJ990428_21.9A08.C7
Gene No.	72889	Strand	-
Start	1	End	7717
Name	OJ990428_21.9A08.C7.o1.np	Method	AAT/NAP
Start	1	End	7717
GI	3450883	Score	93
Exons	1..39, 2159..2257, 5199..5342, 5848..6458, 7678..7717		

GI Descrip. (AF083334) fibroin [Antheraea pernyi]

Seq. No.	35248	Seq. ID	OJ990428_21.9A08.C7
Gene No.	72889	Strand	-
Start	1	End	7717
Name	OJ990428_21.9A08.C7.o2.gs	Method	GENSCAN
Start	1718	End	5942
GI	none	Score	.55
Exons	1718..1794, 2087..2265, 3288..3469, 4824..5093, 5187..5348, 5425..5533, 5627..5784, 5790..5942		

Seq. No.	35249	Seq. ID	OJ990428_21.9A08.C8
Gene No.	72890	Strand	-
Start	464	End	632
Name	OJ990428_21.9A08.C8.o1.gs	Method	GENSCAN
Start	464	End	632
GI	none	Score	.95
Exons	464..632		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72891	Strand	+
Start	588	End	1397
Name	OJ990428_21.9A08.C9.o1.gs	Method	GENSCAN
Start	588	End	1397
GI	none	Score	.87
Exons	588..1397		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72892	Strand	+
Start	1647	End	6160
Name	OJ990428_21.9A08.C9.o1.np	Method	AAT/NAP
Start	1647	End	6160
GI	4680179	Score	5377
Exons	1647..2726, 2760..6160		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72893	Strand	+
Start	8244	End	8625
Name	OJ990428_21.9A08.C9.o2.gp	Method	AAT/GAP
Start	8244	End	8625
GI	uC-osflcyp033a04b1	Score	679
Exons	8244..8625		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72894	Strand	+
Start	18789	End	24126
Name	OJ990428_21.9A08.C9.o5.gs	Method	GENSCAN
Start	18789	End	24126
GI	none	Score	.42
Exons	18789..18839, 19235..19411, 21254..21391, 21433..21507, 22279..22380, 23962..24126		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72895	Strand	-
Start	6909	End	14961
Name	OJ990428_21.9A08.C9.o2.np	Method	AAT/NAP

Start	6909	End	12110
GI	5852180	Score	568
Exons	6909..7321, 7373..7491, 8474..8527, 11987..12110		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72895	Strand	-
Start	6909	End	14961
Name	OJ990428_21.9A08.C9.o3.gs	Method	GENSCAN
Start	8452	End	14961
GI	none	Score	.61
Exons	8452..8527, 9723..9853, 10025..10248, 10400..10653, 11179..11302, 11776..11888, 12230..12354, 13133..13320, 13727..14235, 14489..14531, 14940..14961		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72895	Strand	-
Start	6909	End	14961
Name	OJ990428_21.9A08.C9.o3.np	Method	AAT/NAP
Start	9723	End	10700
GI	4263831	Score	549
Exons	9723..10700		
GI Descrip.	(AC006067) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72896	Strand	-
Start	16288	End	22633
Name	OJ990428_21.9A08.C9.o4.gs	Method	GENSCAN
Start	16288	End	17422
GI	none	Score	.82
Exons	16288..16564, 17409..17422		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72896	Strand	-
Start	16288	End	22633
Name	OJ990428_21.9A08.C9.o4.np	Method	AAT/NAP
Start	16314	End	22633
GI	5852180	Score	427
Exons	16314..16684, 22546..22633		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72896	Strand	-
Start	16288	End	22633
Name	OJ990428_21.9A08.C9.o3.gp	Method	AAT/GAP
Start	18057	End	18313
GI	61605_3.R1084	Score	438
Exons	18057..18313		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o9.tw	Method	TBLASTX:Wheat
Start	1857	End	2083

GI	none	Score	201
Exons	1857..1877, 1884..2081, 1886..2083		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o7.tw	Method	TBLASTX:Wheat
Start	2117	End	2468
GI	none	Score	295
Exons	2117..2311, 2118..2468		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o6.tm	Method	TBLASTX:Maize
Start	2118	End	2423
GI	none	Score	235
Exons	2118..2423, 2132..2248		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o7.tm	Method	TBLASTX:Maize
Start	2751	End	3104
GI	none	Score	187
Exons	2751..3104		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o8.tw	Method	TBLASTX:Wheat
Start	2787	End	3155
GI	none	Score	164
Exons	2787..2996, 2843..2995, 3041..3154, 3042..3155		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o4.tw	Method	TBLASTX:Wheat
Start	3319	End	10634
GI	none	Score	52
Exons	3319..3762, 3323..3373, 3428..3805, 10311..10391, 10407..10607, 10407..10634		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o3.ts	Method	TBLASTX:Soybean
Start	3500	End	10820
GI	none	Score	111
Exons	3500..3634, 10455..10589, 10596..10820		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o5.tm	Method	TBLASTX:Maize
Start	3500	End	10604

GI	none	Score	135
Exons	3500..3679, 10386..10604, 10387..10599		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o3.tm	Method	TBLASTX:Maize
Start	3698	End	10385
GI	none	Score	237
Exons	3698..4126, 3700..3837, 3910..3969, 9926..10237, 9927..10235, 10278..10385, 10297..10383		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o1.ts	Method	TBLASTX:Soybean
Start	3746	End	10240
GI	none	Score	57
Exons	3746..3778, 3748..3777, 3782..4141, 3784..3819, 3850..4140, 9956..10240		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o5.tw	Method	TBLASTX:Wheat
Start	3854	End	10225
GI	none	Score	372
Exons	3854..4156, 3856..4140, 3857..4150, 9830..9955, 9956..10225		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o3.tw	Method	TBLASTX:Wheat
Start	4157	End	9667
GI	none	Score	600
Exons	4157..4582, 4189..4578, 4205..4582, 9539..9667		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o5.ts	Method	TBLASTX:Soybean
Start	4163	End	4408
GI	none	Score	207
Exons	4163..4408, 4165..4407		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o2.tm	Method	TBLASTX:Maize
Start	4228	End	9784
GI	none	Score	482
Exons	4228..4578, 4229..4582, 4229..4591, 9542..9784		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o2.tw	Method	TBLASTX:Wheat

Start	4613	End	5149
GI	none	Score	653
Exons	4613..5149, 4657..5148		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o1.tc	Method	TBLASTX:Cress
Start	4856	End	5173
GI	none	Score	90
Exons	4856..5029, 5030..5173, 5032..5172		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o2.ts	Method	TBLASTX:Soybean
Start	4937	End	5198
GI	none	Score	296
Exons	4937..5197, 4942..5196, 5016..5198		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o4.tm	Method	TBLASTX:Maize
Start	4995	End	5287
GI	none	Score	112
Exons	4995..5183, 4996..5283, 4997..5287		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o1.tw	Method	TBLASTX:Wheat
Start	5156	End	5782
GI	none	Score	699
Exons	5156..5782, 5212..5670, 5528..5779		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o1.tm	Method	TBLASTX:Maize
Start	5336	End	5935
GI	none	Score	231
Exons	5336..5497, 5344..5490, 5494..5919, 5495..5935, 5657..5920		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o6.tw	Method	TBLASTX:Wheat
Start	5782	End	6115
GI	none	Score	313
Exons	5782..6051, 5783..6115, 5786..5977		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o4.ts	Method	TBLASTX:Soybean
Start	9338	End	9617

GI	none	Score	80
Exons	9338..9457, 9375..9458, 9399..9467, 9479..9616, 9483..9617		

Seq. No.	35250	Seq. ID	OJ990428_21.9A08.C9
Gene No.	72897	Strand	-
Start	25789	End	26464
Name	OJ990428_21.9A08.C9.o6.gs	Method	GENSCAN
Start	25789	End	26464
GI	none	Score	.82
Exons	25789..26176, 26241..26464		

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72898	Strand	+
Start	494	End	1775
Name	OJ990428_21.9A08.C10.o1.gs	Method	GENSCAN
Start	494	End	1501
GI	none	Score	.8
Exons	494..1501		

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72898	Strand	+
Start	494	End	1775
Name	OJ990428_21.9A08.C10.o1.np	Method	AAT/NAP
Start	586	End	1775
GI	4544372	Score	522
Exons	586..1775		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72899	Strand	+
Start	4113	End	4728
Name	OJ990428_21.9A08.C10.o3.gs	Method	GENSCAN
Start	4113	End	4728
GI	none	Score	.67
Exons	4113..4117, 4389..4461, 4534..4728		

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72900	Strand	+
Start	5762	End	10542
Name	OJ990428_21.9A08.C10.o2.np	Method	AAT/NAP
Start	5537	End	9390
GI	4680203	Score	1083
Exons	5537..6562, 9354..9390		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72900	Strand	+
Start	5762	End	10542
Name	OJ990428_21.9A08.C10.o4.gs	Method	GENSCAN
Start	5762	End	9668
GI	none	Score	.62
Exons	5762..5861, 5900..6538, 7354..7407, 7504..7575, 8043..8214, 9269..9668		

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72900	Strand	+

Start	5762	End	10542
Name	OJ990428_21.9A08.C10.o3.gp	Method	AAT/GAP
Start	8315	End	8843
GI	uC-osf1M202048c12b1	Score	825
Exons	8315..8843		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72900	Strand	+
Start	5762	End	10542
Name	OJ990428_21.9A08.C10.o4.np	Method	AAT/NAP
Start	8593	End	10542
GI	4680186	Score	188
Exons	8593..8664, 9295..9481, 10362..10542		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72900	Strand	+
Start	5762	End	10542
Name	OJ990428_21.9A08.C10.o5.gp	Method	AAT/GAP
Start	10362	End	10470
GI	uC-osf1cyp033a04b1	Score	182
Exons	10362..10470		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72901	Strand	-
Start	2122	End	2936
Name	OJ990428_21.9A08.C10.o2.gs	Method	GENSCAN
Start	2122	End	2936
GI	none	Score	.41
Exons	2122..2532, 2784..2936		

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72902	Strand	-
Start	7256	End	7568
Name	OJ990428_21.9A08.C10.o1.gp	Method	AAT/GAP
Start	7256	End	7568
GI	uC-osf1cyp033a04b1	Score	454
Exons	7256..7568		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72903	Strand	-
Start	7624	End	7838
Name	OJ990428_21.9A08.C10.o2.gp	Method	AAT/GAP
Start	7624	End	7838
GI	uC-osroM202024h08a1	Score	307
Exons	7624..7838		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72904	Strand	-

Start	8224	End	14601
Name	OJ990428_21.9A08.C10.o1.tm	Method	TBLASTX:Maize
Start	632	End	964
GI	none	Score	217
Exons	632..964		

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72904	Strand	-
Start	8224	End	14601
Name	OJ990428_21.9A08.C10.o2.ts	Method	TBLASTX:Soybean
Start	797	End	1195
GI	none	Score	236
Exons	797..1195, 865..1107		

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72904	Strand	-
Start	8224	End	14601
Name	OJ990428_21.9A08.C10.o2.tw	Method	TBLASTX:Wheat
Start	953	End	1366
GI	none	Score	164
Exons	953..1222, 976..1128, 1277..1366		

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72904	Strand	-
Start	8224	End	14601
Name	OJ990428_21.9A08.C10.o1.tw	Method	TBLASTX:Wheat
Start	5938	End	6558
GI	none	Score	173
Exons	5938..6234, 5952..6206, 6208..6291, 6243..6290, 6312..6374, 6316..6435, 6433..6558, 6435..6557		

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72904	Strand	-
Start	8224	End	14601
Name	OJ990428_21.9A08.C10.o1.ts	Method	TBLASTX:Soybean
Start	6148	End	6653
GI	none	Score	87
Exons	6148..6222, 6162..6212, 6280..6558, 6312..6524, 6334..6558, 6621..6653		

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72904	Strand	-
Start	8224	End	14601
Name	OJ990428_21.9A08.C10.o1.tc	Method	TBLASTX:Cress
Start	6316	End	6558
GI	none	Score	199
Exons	6316..6558		

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72904	Strand	-
Start	8224	End	14601
Name	OJ990428_21.9A08.C10.o3.np	Method	AAT/NAP
Start	8224	End	12459
GI	6063554	Score	285
Exons	8224..8399, 9029..9056, 9374..9615, 9734..9870, 12371..12459		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72904	Strand	-
Start	8224	End	14601
Name	OJ990428_21.9A08.C10.o5.gs	Method	GENSCAN
Start	10933	End	14601
GI	none	Score	.44
Exons	10933..11037, 11466..11572, 11578..12558, 14422..14601		

Seq. No.	35251	Seq. ID	OJ990428_21.9A08.C10
Gene No.	72904	Strand	-
Start	8224	End	14601
Name	OJ990428_21.9A08.C10.o5.np	Method	AAT/NAP
Start	10936	End	12855
GI	6907087	Score	885
Exons	10936..11037, 11578..12135, 12328..12855		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35252	Seq. ID	OJ990428_21.9A08.C11
Gene No.	72905	Strand	+
Start	1	End	3367
Name	OJ990428_21.9A08.C11.o1.np	Method	AAT/NAP
Start	1	End	2048
GI	6742729	Score	2647
Exons	1..23, 296..2048		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	35252	Seq. ID	OJ990428_21.9A08.C11
Gene No.	72905	Strand	+
Start	1	End	3367
Name	OJ990428_21.9A08.C11.o2.tm	Method	TBLASTX:Maize
Start	269	End	699
GI	none	Score	68
Exons	269..373, 370..495, 505..699		

Seq. No.	35252	Seq. ID	OJ990428_21.9A08.C11
Gene No.	72905	Strand	+
Start	1	End	3367
Name	OJ990428_21.9A08.C11.o2.tw	Method	TBLASTX:Wheat
Start	295	End	665
GI	none	Score	97
Exons	295..351, 296..355, 370..456, 456..509, 457..660, 457..660, 459..665, 561..665		

Seq. No.	35252	Seq. ID	OJ990428_21.9A08.C11
Gene No.	72905	Strand	+
Start	1	End	3367
Name	OJ990428_21.9A08.C11.o1.gp	Method	AAT/GAP
Start	296	End	3367
GI	342_1.R1084	Score	4782
Exons	296..2667, 2761..3367		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	35252	Seq. ID	OJ990428_21.9A08.C11
Gene No.	72905	Strand	+
Start	1	End	3367
Name	OJ990428_21.9A08.C11.o1.gs	Method	GENSCAN
Start	406	End	2598
GI	none	Score	.48
Exons	406..564, 610..772, 1013..1162, 1304..2129, 2182..2359, 2506..2598		

Seq. No.	35252	Seq. ID	OJ990428_21.9A08.C11
Gene No.	72905	Strand	+
Start	1	End	3367
Name	OJ990428_21.9A08.C11.o1.ts	Method	TBLASTX:Soybean
Start	529	End	771
GI	none	Score	212
Exons	529..771		

Seq. No.	35252	Seq. ID	OJ990428_21.9A08.C11
Gene No.	72905	Strand	+
Start	1	End	3367
Name	OJ990428_21.9A08.C11.o3.tw	Method	TBLASTX:Wheat
Start	804	End	1214
GI	none	Score	58
Exons	804..848, 805..849, 873..1049, 877..1095, 1123..1203, 1128..1214, 1129..1209		

Seq. No.	35252	Seq. ID	OJ990428_21.9A08.C11
Gene No.	72905	Strand	+
Start	1	End	3367
Name	OJ990428_21.9A08.C11.o1.tw	Method	TBLASTX:Wheat
Start	1215	End	2503
GI	none	Score	541
Exons	1215..2117, 1216..1635, 1544..1660, 1681..2133, 2126..2167, 2127..2174, 2215..2328, 2216..2329, 2218..2337, 2342..2422, 2411..2503, 2415..2501, 2437..2502		

Seq. No.	35252	Seq. ID	OJ990428_21.9A08.C11
Gene No.	72905	Strand	+
Start	1	End	3367
Name	OJ990428_21.9A08.C11.o1.tm	Method	TBLASTX:Maize
Start	1258	End	1572
GI	none	Score	295
Exons	1258..1572, 1269..1541		

Seq. No.	35252	Seq. ID	OJ990428_21.9A08.C11
Gene No.	72905	Strand	+
Start	1	End	3367
Name	OJ990428_21.9A08.C11.o1.tc	Method	TBLASTX:Cress
Start	1506	End	1950
GI	none	Score	176
Exons	1506..1946, 1507..1635, 1512..1940, 1681..1950, 1801..1950		

Seq. No.	35253	Seq. ID	OJ990428_21.9A08.C12
Gene No.	72906	Strand	+
Start	1	End	116
Name	OJ990428_21.9A08.C12.o1.np	Method	AAT/NAP
Start	1	End	116

GI	5852180	Score	52
Exons	1..116		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	35253	Seq. ID	OJ990428_21.9A08.C12
Gene No.	72907	Strand	+
Start	215	End	852
Name	OJ990428_21.9A08.C12.o1.gs	Method	GENSCAN
Start	215	End	852
GI	none	Score	.71
Exons	215..253, 667..852		

Seq. No.	35253	Seq. ID	OJ990428_21.9A08.C12
Gene No.	72907	Strand	+
Start	215	End	852
Name	OJ990428_21.9A08.C12.o2.np	Method	AAT/NAP
Start	224	End	300
GI	4680186	Score	71
Exons	224..300		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35254	Seq. ID	OJ990618_11.9A20.C1
Gene No.	72908	Strand	+
Start	1	End	337
Name	OJ990618_11.9A20.C1.o1.np	Method	AAT/NAP
Start	1	End	334
GI	2462750	Score	397
Exons	1..334		
GI Descrip.	(AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]		

Seq. No.	35254	Seq. ID	OJ990618_11.9A20.C1
Gene No.	72908	Strand	+
Start	1	End	337
Name	OJ990618_11.9A20.C1.o1.gs	Method	GENSCAN
Start	65	End	337
GI	none	Score	.66
Exons	65..337		

Seq. No.	35254	Seq. ID	OJ990618_11.9A20.C1
Gene No.	72909	Strand	-
Start	1	End	464
Name	OJ990618_11.9A20.C1.o1.gp	Method	AAT/GAP
Start	1	End	464
GI	1514_1.R1084	Score	902
Exons	1..464		
GI Descrip.	'2462763 1.0e-132 (AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]'		

Seq. No.	35254	Seq. ID	OJ990618_11.9A20.C1
Gene No.	72909	Strand	-
Start	1	End	464
Name	OJ990618_11.9A20.C1.o1.ts	Method	TBLASTX:Soybean
Start	1	End	220
GI	none	Score	334
Exons	1..219, 2..220		

Seq. No.	35254	Seq. ID	OJ990618_11.9A20.C1
Gene No.	72909	Strand	-
Start	1	End	464
Name	OJ990618_11.9A20.C1.o1.tc	Method	TBLASTX:Cress
Start	1	End	351
GI	none	Score	406
Exons	1..351, 2..331		

Seq. No.	35254	Seq. ID	OJ990618_11.9A20.C1
Gene No.	72909	Strand	-
Start	1	End	464
Name	OJ990618_11.9A20.C1.o1.tm	Method	TBLASTX:Maize
Start	2	End	341
GI	none	Score	477
Exons	2..337, 4..336, 5..337, 225..341		

Seq. No.	35255	Seq. ID	OJ990618_11.9A20.C4
Gene No.	72910	Strand	+
Start	537	End	939
Name	OJ990618_11.9A20.C4.o1.gs	Method	GENSCAN
Start	537	End	939
GI	none	Score	.91
Exons	537..639, 734..939		

Seq. No.	35255	Seq. ID	OJ990618_11.9A20.C4
Gene No.	72911	Strand	+
Start	1098	End	8002
Name	OJ990618_11.9A20.C4.o2.gs	Method	GENSCAN
Start	1098	End	8002
GI	none	Score	.78
Exons	1098..1331, 1410..1538, 4212..4384, 4470..4507, 4608..4740, 6156..6258, 7664..8002		

Seq. No.	35255	Seq. ID	OJ990618_11.9A20.C4
Gene No.	72911	Strand	+
Start	1098	End	8002
Name	OJ990618_11.9A20.C4.o1.np	Method	AAT/NAP
Start	1110	End	7999
GI	6562980	Score	1109
Exons	1110..1331, 1469..1672, 4212..4384, 4470..4576, 7664..7999		
GI Descrip.	(AF057715) auxin-induced atb2 [Arabidopsis thaliana]		

Seq. No.	35255	Seq. ID	OJ990618_11.9A20.C4
Gene No.	72912	Strand	-
Start	9372	End	9881
Name	OJ990618_11.9A20.C4.o1.tw	Method	TBLASTX:Wheat
Start	1127	End	1543
GI	none	Score	309
Exons	1127..1342, 1128..1343, 1477..1542, 1478..1543		

Seq. No.	35255	Seq. ID	OJ990618_11.9A20.C4
Gene No.	72912	Strand	-
Start	9372	End	9881
Name	OJ990618_11.9A20.C4.o2.tm	Method	TBLASTX:Maize
Start	1127	End	1343
GI	none	Score	304
Exons	1127..1342, 1128..1343		

Seq. No.	35255	Seq. ID	OJ990618_11.9A20.C4
Gene No.	72912	Strand	-
Start	9372	End	9881
Name	OJ990618_11.9A20.C4.o2.tc	Method	TBLASTX:Cress
Start	1128	End	4576
GI	none	Score	277
Exons	1128..1331, 1139..1339, 1486..1671, 1487..1675, 4220..4321, 4253..4384, 4254..4385, 4464..4529, 4468..4530, 4520..4576		

Seq. No.	35255	Seq. ID	OJ990618_11.9A20.C4
Gene No.	72912	Strand	-
Start	9372	End	9881
Name	OJ990618_11.9A20.C4.o2.ts	Method	TBLASTX:Soybean
Start	1128	End	1660
GI	none	Score	286
Exons	1128..1343, 1139..1342, 1480..1659, 1481..1660		

Seq. No.	35255	Seq. ID	OJ990618_11.9A20.C4
Gene No.	72912	Strand	-
Start	9372	End	9881
Name	OJ990618_11.9A20.C4.o3.tm	Method	TBLASTX:Maize
Start	1486	End	1679
GI	none	Score	44
Exons	1486..1536, 1487..1522, 1531..1674, 1532..1675, 1599..1679		

Seq. No.	35255	Seq. ID	OJ990618_11.9A20.C4
Gene No.	72912	Strand	-
Start	9372	End	9881
Name	OJ990618_11.9A20.C4.o1.tm	Method	TBLASTX:Maize
Start	4219	End	8024
GI	none	Score	163
Exons	4219..4383, 4253..4384, 4254..4385, 4464..4517, 4468..4515, 4472..4522, 4519..4575, 4520..4576, 7652..7993, 7653..7853, 7661..8020, 7669..8022, 7938..8024, 7939..8022		

Seq. No.	35255	Seq. ID	OJ990618_11.9A20.C4
Gene No.	72912	Strand	-
Start	9372	End	9881
Name	OJ990618_11.9A20.C4.o3.ts	Method	TBLASTX:Soybean
Start	4226	End	4521
GI	none	Score	68
Exons	4226..4309, 4253..4384, 4254..4385, 4275..4385, 4467..4517, 4468..4521		

Seq. No.	35255	Seq. ID	OJ990618_11.9A20.C4
Gene No.	72912	Strand	-
Start	9372	End	9881
Name	OJ990618_11.9A20.C4.o1.ts	Method	TBLASTX:Soybean
Start	7654	End	7887
GI	none	Score	306
Exons	7654..7851, 7661..7885, 7663..7887		

Seq. No.	35255	Seq. ID	OJ990618_11.9A20.C4
Gene No.	72912	Strand	-
Start	9372	End	9881
Name	OJ990618_11.9A20.C4.o1.tc	Method	TBLASTX:Cress

Start	7666	End	8001
GI	none	Score	355
Exons	7666..7845, 7667..7990, 7730..7936, 7918..8001		

Seq. No.	35255	Seq. ID	OJ990618_11.9A20.C4
Gene No.	72912	Strand	-
Start	9372	End	9881
Name	OJ990618_11.9A20.C4.o3.gs	Method	GENSCAN
Start	9372	End	9881
GI	none	Score	.46
Exons	9372..9508, 9714..9881		

Seq. No.	35256	Seq. ID	OJ990618_11.9A20.C5
Gene No.	72913	Strand	+
Start	1984	End	2286
Name	OJ990618_11.9A20.C5.o2.gp	Method	AAT/GAP
Start	1984	End	2286
GI	1514_2.R1084	Score	454
Exons	1984..2286		
GI Descrip.	'2462763 1.0e-121 (AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]'		

Seq. No.	35256	Seq. ID	OJ990618_11.9A20.C5
Gene No.	72913	Strand	+
Start	1984	End	2286
Name	OJ990618_11.9A20.C5.o1.gs	Method	GENSCAN
Start	2032	End	2235
GI	none	Score	.84
Exons	2032..2235		

Seq. No.	35256	Seq. ID	OJ990618_11.9A20.C5
Gene No.	72913	Strand	+
Start	1984	End	2286
Name	OJ990618_11.9A20.C5.o1.np	Method	AAT/NAP
Start	2041	End	2286
GI	728744	Score	284
Exons	2041..2286		
GI Descrip.	AUXIN-INDUCED PROTEIN PCNT115 gi\|100305\|pir\|\|S16390 auxin-induced protein - common tobacco gi\|19799\|emb\|CAA39708\| (X56267) auxin-induced protein [Nicotiana tabacum]		

Seq. No.	35256	Seq. ID	OJ990618_11.9A20.C5
Gene No.	72913	Strand	+
Start	1984	End	2286
Name	OJ990618_11.9A20.C5.o1.tc	Method	TBLASTX:Cress
Start	2061	End	2273
GI	none	Score	274
Exons	2061..2273, 2062..2265		

Seq. No.	35256	Seq. ID	OJ990618_11.9A20.C5
Gene No.	72913	Strand	+
Start	1984	End	2286
Name	OJ990618_11.9A20.C5.o1.tm	Method	TBLASTX:Maize
Start	2061	End	2265
GI	none	Score	300
Exons	2061..2264, 2062..2265		

Seq. No.	35256	Seq. ID	OJ990618_11.9A20.C5
Gene No.	72913	Strand	+
Start	1984	End	2286
Name	OJ990618_11.9A20.C5.o1.ts	Method	TBLASTX:Soybean
Start	2061	End	2270
GI	none	Score	293
Exons	2061..2270, 2062..2265		

Seq. No.	35256	Seq. ID	OJ990618_11.9A20.C5
Gene No.	72913	Strand	+
Start	1984	End	2286
Name	OJ990618_11.9A20.C5.o1.tw	Method	TBLASTX:Wheat
Start	2061	End	2265
GI	none	Score	295
Exons	2061..2264, 2062..2265		

Seq. No.	35257	Seq. ID	OJ990618_11.9A20.C6
Gene No.	72914	Strand	+
Start	1	End	4068
Name	OJ990618_11.9A20.C6.o1.gp	Method	AAT/GAP
Start	1	End	2866
GI	1514_2_R1084	Score	1864
Exons	1..227, 1337..1429, 1594..1696, 2226..2866		
GI Descrip.	'2462763 1.0e-121 (AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]'		

Seq. No.	35257	Seq. ID	OJ990618_11.9A20.C6
Gene No.	72914	Strand	+
Start	1	End	4068
Name	OJ990618_11.9A20.C6.o1.np	Method	AAT/NAP
Start	1	End	2567
GI	2462762	Score	986
Exons	1..227, 1337..1509, 1594..1696, 2226..2567		
GI Descrip.	(AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]		

Seq. No.	35257	Seq. ID	OJ990618_11.9A20.C6
Gene No.	72914	Strand	+
Start	1	End	4068
Name	OJ990618_11.9A20.C6.o1.gs	Method	GENSCAN
Start	54	End	4068
GI	none	Score	.91
Exons	54..227, 1337..1509, 1594..1696, 2226..2494, 3450..3637, 3851..4068		

Seq. No.	35257	Seq. ID	OJ990618_11.9A20.C6
Gene No.	72915	Strand	+
Start	5571	End	7674
Name	OJ990618_11.9A20.C6.o2.gs	Method	GENSCAN
Start	5571	End	7674
GI	none	Score	.55
Exons	5571..5803, 6095..6149, 7585..7674		

Seq. No.	35257	Seq. ID	OJ990618_11.9A20.C6
Gene No.	72916	Strand	+
Start	8397	End	11557
Name	OJ990618_11.9A20.C6.o2.tm	Method	TBLASTX:Maize

Start	17	End	8795
GI	none	Score	85
Exons	17..76, 24..83, 24..80, 8426..8608, 8427..8630, 8736..8795		

Seq. No.	35257	Seq. ID	OJ990618_11.9A20.C6
Gene No.	72916	Strand	+
Start	8397	End	11557
Name	OJ990618_11.9A20.C6.o1.tc	Method	TBLASTX:Cress
Start	24	End	11247
GI	none	Score	266
Exons	24..230, 26..226, 1336..1509, 1337..1510, 1588..1644, 1592..1642, 1640..1696, 2229..2411, 2231..2410, 8426..8608, 8427..8630, 8736..8942, 8738..8848, 8883..8945, 10900..11085, 10906..11088, 10965..11087, 11153..11203, 11155..11247		

Seq. No.	35257	Seq. ID	OJ990618_11.9A20.C6
Gene No.	72916	Strand	+
Start	8397	End	11557
Name	OJ990618_11.9A20.C6.o1.ts	Method	TBLASTX:Soybean
Start	24	End	11557
GI	none	Score	283
Exons	24..230, 26..226, 1336..1509, 1337..1510, 1337..1510, 1591..1734, 1592..1696, 2229..2327, 8426..8602, 8427..8630, 8736..8942, 8738..8848, 8900..8938, 10906..11088, 10965..11087, 11153..11236, 11155..11229, 11476..11556, 11480..11557		

Seq. No.	35257	Seq. ID	OJ990618_11.9A20.C6
Gene No.	72916	Strand	+
Start	8397	End	11557
Name	OJ990618_11.9A20.C6.o1.tw	Method	TBLASTX:Wheat
Start	24	End	8810
GI	none	Score	98
Exons	24..98, 26..97, 8426..8608, 8427..8630, 8736..8810, 8738..8806		

Seq. No.	35257	Seq. ID	OJ990618_11.9A20.C6
Gene No.	72916	Strand	+
Start	8397	End	11557
Name	OJ990618_11.9A20.C6.o3.tm	Method	TBLASTX:Maize
Start	90	End	8946
GI	none	Score	203
Exons	90..230, 116..229, 181..234, 8798..8851, 8799..8942, 8857..8946		

Seq. No.	35257	Seq. ID	OJ990618_11.9A20.C6
Gene No.	72916	Strand	+
Start	8397	End	11557
Name	OJ990618_11.9A20.C6.o1.tm	Method	TBLASTX:Maize
Start	1335	End	11557
GI	none	Score	126
Exons	1335..1508, 1339..1509, 1340..1510, 1588..1767, 1591..1695, 1592..1696, 2219..2503, 2223..2504, 2225..2503, 2226..2504, 2516..2569, 2520..2570, 2523..2570, 10927..11088, 10930..11085, 10931..11107, 10965..11087, 11152..11226, 11153..11236, 11153..11230, 11155..11232, 11480..11557, 11480..11554		

Seq. No.	35257	Seq. ID	OJ990618_11.9A20.C6
Gene No.	72916	Strand	+
Start	8397	End	11557

Name	OJ990618_11.9A20.C6.o2.ts	Method	TBLASTX:Soybean
Start	2327	End	2564
GI	none	Score	257
Exons	2327..2497, 2328..2498, 2328..2504, 2517..2564, 2531..2563		

Seq. No.	35257	Seq. ID	OJ990618_11.9A20.C6
Gene No.	72916	Strand	+
Start	8397	End	11557
Name	OJ990618_11.9A20.C6.o2.gp	Method	AAT/GAP
Start	8340	End	11557
GI	1514_1.R1084	Score	1700
Exons	8340..8630, 8739..8939, 10924..11255, 11483..11557		
GI Descrip.	'2462763 1.0e-132 (AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]'		

Seq. No.	35257	Seq. ID	OJ990618_11.9A20.C6
Gene No.	72916	Strand	+
Start	8397	End	11557
Name	OJ990618_11.9A20.C6.o3.gs	Method	GENSCAN
Start	8397	End	11094
GI	none	Score	.84
Exons	8397..8630, 8739..8939, 10924..11094		

Seq. No.	35257	Seq. ID	OJ990618_11.9A20.C6
Gene No.	72916	Strand	+
Start	8397	End	11557
Name	OJ990618_11.9A20.C6.o2.np	Method	AAT/NAP
Start	8406	End	11557
GI	1352461	Score	995
Exons	8406..8630, 8739..8939, 10924..11093, 11152..11255, 11483..11557		
GI Descrip.	IN2-2 PROTEIN		

Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72917	Strand	+
Start	1650	End	4682
Name	OJ990618_11.9A20.C7.o1.gs	Method	GENSCAN
Start	1650	End	4682
GI	none	Score	.57
Exons	1650..1735, 2431..2601, 2675..2794, 3964..4058, 4441..4682		

Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72918	Strand	+
Start	13716	End	20371
Name	OJ990618_11.9A20.C7.o5.gs	Method	GENSCAN
Start	13716	End	20371
GI	none	Score	.55
Exons	13716..13985, 15498..15681, 15849..15956, 16044..16227, 16687..16911, 17039..17146, 17413..17561, 17636..17777, 17797..17955, 17972..18093, 19029..19300, 20075..20371		

Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72918	Strand	+
Start	13716	End	20371
Name	OJ990618_11.9A20.C7.o2.np	Method	AAT/NAP
Start	13895	End	20365
GI	4733937	Score	587
Exons	13895..14023, 15410..15681, 15849..16227, 16687..16911,		

	17039..17174, 19049..19312, 20090..20365		
GI Descrip.	(AF080245) sesquiterpene synthase [Elaeis oleifera]		
Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72919	Strand	-
Start	1	End	86
Name	OJ990618_11.9A20.C7.o1.gp	Method	AAT/GAP
Start	1	End	86
GI	1514_1.R1084	Score	149
Exons	1..86		
GI Descrip.	'2462763 1.0e-132 (AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]'		
Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72920	Strand	-
Start	4997	End	12611
Name	OJ990618_11.9A20.C7.o2.gs	Method	GENSCAN
Start	4997	End	7306
GI	none	Score	.5
Exons	4997..5106, 5320..5603, 5637..5807, 6355..6451, 6671..6706, 7249..7306		
Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72920	Strand	-
Start	4997	End	12611
Name	OJ990618_11.9A20.C7.o1.np	Method	AAT/NAP
Start	6875	End	12611
GI	5902444	Score	829
Exons	6875..6942, 8285..9652, 10051..10277, 12577..12611		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72920	Strand	-
Start	4997	End	12611
Name	OJ990618_11.9A20.C7.o4.gs	Method	GENSCAN
Start	10338	End	11509
GI	none	Score	.82
Exons	10338..10763, 10780..11218, 11358..11509		
Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72921	Strand	-
Start	21057	End	23985
Name	OJ990618_11.9A20.C7.o6.gs	Method	GENSCAN
Start	21057	End	22236
GI	none	Score	.58
Exons	21057..21139, 21723..22236		
Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72921	Strand	-
Start	21057	End	23985
Name	OJ990618_11.9A20.C7.o3.np	Method	AAT/NAP
Start	21504	End	23985
GI	6957518	Score	445
Exons	21504..22197, 23915..23985		
GI Descrip.	(AC022288) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7

Gene No.	72922	Strand	-
Start	25694	End	29092
Name	OJ990618_11.9A20.C7.o2.tw	Method	TBLASTX:Wheat
Start	8292	End	8627
GI	none	Score	73
Exons	8292..8408, 8320..8406, 8445..8627, 8518..8619		

Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72922	Strand	-
Start	25694	End	29092
Name	OJ990618_11.9A20.C7.o1.tw	Method	TBLASTX:Wheat
Start	9268	End	9651
GI	none	Score	52
Exons	9268..9522, 9496..9609, 9610..9651		

Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72922	Strand	-
Start	25694	End	29092
Name	OJ990618_11.9A20.C7.o2.tc	Method	TBLASTX:Cress
Start	15848	End	28660
GI	none	Score	208
Exons	15848..16231, 16688..16873, 19208..19300, 27592..27741, 28278..28538, 28562..28660		

Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72922	Strand	-
Start	25694	End	29092
Name	OJ990618_11.9A20.C7.o2.tm	Method	TBLASTX:Maize
Start	15950	End	28545
GI	none	Score	216
Exons	15950..16225, 15955..16218, 16688..16864, 16688..16861, 17042..17158, 17043..17168, 19049..19153, 19205..19291, 26374..26460, 26461..26616, 27077..27202, 27601..27777, 27604..27777, 28284..28538, 28291..28545		

Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72922	Strand	-
Start	25694	End	29092
Name	OJ990618_11.9A20.C7.o3.tw	Method	TBLASTX:Wheat
Start	19241	End	26424
GI	none	Score	64
Exons	19241..19291, 20084..20221, 20131..20211, 20222..20365, 20231..20362, 25691..25834, 25694..25819, 25698..25838, 25850..25978, 25851..25973, 26374..26424		

Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72922	Strand	-
Start	25694	End	29092
Name	OJ990618_11.9A20.C7.o1.tm	Method	TBLASTX:Maize
Start	20114	End	25949
GI	none	Score	204
Exons	20114..20365, 20131..20310, 25704..25949, 25706..25948		

Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72922	Strand	-
Start	25694	End	29092
Name	OJ990618_11.9A20.C7.o1.tc	Method	TBLASTX:Cress

Start	21616	End	22179
GI	none	Score	66
Exons	21616..21816, 21624..21794, 21671..21817, 21873..21911, 21925..22179		

Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72922	Strand	-
Start	25694	End	29092
Name	OJ990618_11.9A20.C7.o1.ts	Method	TBLASTX:Soybean
Start	21616	End	22179
GI	none	Score	76
Exons	21616..21837, 21617..21838, 21892..22026, 22063..22179		

Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72922	Strand	-
Start	25694	End	29092
Name	OJ990618_11.9A20.C7.o3.tm	Method	TBLASTX:Maize
Start	21616	End	22014
GI	none	Score	90
Exons	21616..21807, 21895..22014		

Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72922	Strand	-
Start	25694	End	29092
Name	OJ990618_11.9A20.C7.o4.tm	Method	TBLASTX:Maize
Start	22213	End	22844
GI	none	Score	78
Exons	22213..22335, 22214..22351, 22226..22372, 22229..22381, 22229..22369, 22230..22373, 22230..22367, 22235..22321, 22236..22331, 22316..22408, 22321..22407, 22364..22552, 22369..22461, 22370..22462, 22397..22549, 22398..22529, 22398..22550, 22400..22549, 22400..22564, 22412..22564, 22431..22571, 22436..22564, 22443..22571, 22443..22553, 22446..22565, 22446..22565, 22448..22582, 22450..22575, 22452..22553, 22596..22706, 22596..22709, 22597..22701, 22597..22626, 22602..22709, 22602..22715, 22605..22727, 22610..22681, 22714..22836, 22716..22835, 22717..22842, 22719..22844		

Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72922	Strand	-
Start	25694	End	29092
Name	OJ990618_11.9A20.C7.o7.gs	Method	GENSCAN
Start	25694	End	29091
GI	none	Score	.65
Exons	25694..25975, 27071..27206, 27554..27778, 28282..28465, 28552..28659, 28827..29091		

Seq. No.	35258	Seq. ID	OJ990618_11.9A20.C7
Gene No.	72922	Strand	-
Start	25694	End	29092
Name	OJ990618_11.9A20.C7.o4.np	Method	AAT/NAP
Start	25697	End	29092
GI	4733937	Score	543
Exons	25697..25940, 26321..26616, 27071..27210, 27558..27778, 28282..28659, 28827..29092		
GI Descrip.	(AF080245) sesquiterpene synthase [Elaeis oleifera]		

Seq. No.	35259	Seq. ID	OJ990618_11.9A20.C8
Gene No.	72923	Strand	+
Start	1023	End	1127
Name	OJ990618_11.9A20.C8.o1.gs	Method	GENSCAN
Start	1023	End	1127
GI	none	Score	.99
Exons	1023..1127		

Seq. No.	35259	Seq. ID	OJ990618_11.9A20.C8
Gene No.	72924	Strand	+
Start	1322	End	14218
Name	OJ990618_11.9A20.C8.o1.np	Method	AAT/NAP
Start	1322	End	13032
GI	5091513	Score	1567
Exons	1322..1662, 10315..11134, 11908..13032		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	35259	Seq. ID	OJ990618_11.9A20.C8
Gene No.	72924	Strand	+
Start	1322	End	14218
Name	OJ990618_11.9A20.C8.o1.gp	Method	AAT/GAP
Start	9018	End	9337
GI	72524_1.R1084	Score	401
Exons	9018..9337		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	35259	Seq. ID	OJ990618_11.9A20.C8
Gene No.	72924	Strand	+
Start	1322	End	14218
Name	OJ990618_11.9A20.C8.o4.gs	Method	GENSCAN
Start	11641	End	14218
GI	none	Score	.76
Exons	11641..11667, 11893..12044, 12125..12392, 12869..13594, 13943..14218		

Seq. No.	35259	Seq. ID	OJ990618_11.9A20.C8
Gene No.	72925	Strand	-
Start	3764	End	5734
Name	OJ990618_11.9A20.C8.o2.gs	Method	GENSCAN
Start	3764	End	5734
GI	none	Score	.71
Exons	3764..3916, 4578..4759, 5329..5464, 5495..5558, 5697..5734		

Seq. No.	35260	Seq. ID	OJ990618_11.9A20.C9
Gene No.	72926	Strand	-
Start	3515	End	5832
Name	OJ990618_11.9A20.C9.o2.gs	Method	GENSCAN
Start	3515	End	5832
GI	none	Score	.53
Exons	3515..3600, 3950..4013, 4125..4393, 5161..5256, 5766..5832		

Seq. No.	35261	Seq. ID	OJ990618_11.9A20.C10
Gene No.	72927	Strand	+
Start	360	End	662
Name	OJ990618_11.9A20.C10.o1.gs	Method	GENSCAN

Start	360	End	662
GI	none	Score	.99
Exons	360..662		

Seq. No.	35261	Seq. ID	OJ990618_11.9A20.C10
Gene No.	72928	Strand	+
Start	1649	End	3400
Name	OJ990618_11.9A20.C10.o2.gs	Method	GENSCAN
Start	1649	End	3400
GI	none	Score	.79
Exons	1649..1777, 1994..2421, 3244..3400		

Seq. No.	35261	Seq. ID	OJ990618_11.9A20.C10
Gene No.	72929	Strand	
Start	4119	End	4496
Name	OJ990618_11.9A20.C10.o1.tm	Method	TBLASTX:Maize
Start	4119	End	4496
GI	none	Score	60
Exons	4119..4412, 4425..4496		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72930	Strand	+
Start	1549	End	4405
Name	OJ990618_11.9A20.C11.o1.gs	Method	GENSCAN
Start	1549	End	4405
GI	none	Score	.66
Exons	1549..1557, 1890..1963, 2008..2948, 3010..3428, 3475..3856, 3966..4405		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72931	Strand	+
Start	10516	End	13978
Name	OJ990618_11.9A20.C11.o4.gs	Method	GENSCAN
Start	10516	End	13624
GI	none	Score	.42
Exons	10516..10878, 10918..11109, 11120..12233, 12291..13624		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72931	Strand	+
Start	10516	End	13978
Name	OJ990618_11.9A20.C11.o4.np	Method	AAT/NAP
Start	10858	End	13978
GI	5902445	Score	2959
Exons	10858..12694, 12734..13978		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72932	Strand	+
Start	17991	End	22627
Name	OJ990618_11.9A20.C11.o6.gs	Method	GENSCAN
Start	17991	End	22627
GI	none	Score	.48
Exons	17991..18052, 19048..19138, 20710..20864, 22525..22627		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72932	Strand	+
Start	17991	End	22627

Name	OJ990618_11.9A20.C11.o7.np	Method	AAT/NAP
Start	19049	End	20925
GI	3688209	Score	533
Exons	19049..19138, 19254..19316, 19482..19639, 19808..19880, 19991..20050, 20436..20543, 20707..20925		
GI Descrip.	(AJ010093) MAP3K beta 1 protein kinase [Brassica napus]		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72933	Strand	-
Start	389	End	793
Name	OJ990618_11.9A20.C11.o1.np	Method	AAT/NAP
Start	389	End	793
GI	2462640	Score	493
Exons	389..793		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72934	Strand	-
Start	1827	End	1944
Name	OJ990618_11.9A20.C11.o2.np	Method	AAT/NAP
Start	1827	End	1944
GI	6721512	Score	81
Exons	1827..1944		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72935	Strand	-
Start	5102	End	5483
Name	OJ990618_11.9A20.C11.o1.gp	Method	AAT/GAP
Start	5102	End	5483
GI	uC-osflcyp033a04b1	Score	643
Exons	5102..5483		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72936	Strand	-
Start	5912	End	6840
Name	OJ990618_11.9A20.C11.o2.gs	Method	GENSCAN
Start	5912	End	6840
GI	none	Score	.92
Exons	5912..5997, 6293..6362, 6493..6840		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72937	Strand	-
Start	7452	End	13020
Name	OJ990618_11.9A20.C11.o3.gs	Method	GENSCAN
Start	7452	End	10244
GI	none	Score	.92
Exons	7452..8246, 8376..9224, 9315..10244		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72937	Strand	-
Start	7452	End	13020
Name	OJ990618_11.9A20.C11.o3.np	Method	AAT/NAP
Start	7455	End	13020
GI	4680179	Score	4141

Exons	7455..10384, 12980..13020		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72938	Strand	-
Start	14604	End	17186
Name	OJ990618_11.9A20.C11.o5.gs	Method	GENSCAN
Start	14604	End	17037
GI	none	Score	.78
Exons	14604..15094, 15193..15311, 15502..15747, 15815..15873, 15980..16126, 16194..16318, 16398..17037		
Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72938	Strand	-
Start	14604	End	17186
Name	OJ990618_11.9A20.C11.o5.np	Method	AAT/NAP
Start	16411	End	17186
GI	6907089	Score	296
Exons	16411..17067, 17105..17186		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72939	Strand	-
Start	17954	End	19650
Name	OJ990618_11.9A20.C11.o6.np	Method	AAT/NAP
Start	17954	End	19650
GI	6721512	Score	74
Exons	17954..18061, 19590..19650		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o3.tm	Method	TBLASTX:Maize
Start	2	End	757
GI	none	Score	51
Exons	2..292, 111..293, 314..757, 336..419, 489..521		
Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o10.tw	Method	TBLASTX:Wheat
Start	3421	End	3819
GI	none	Score	57
Exons	3421..3471, 3472..3585, 3483..3533, 3559..3819, 3591..3818		
Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o8.tw	Method	TBLASTX:Wheat
Start	7500	End	7833
GI	none	Score	143
Exons	7500..7832, 7564..7833		
Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554

Name	OJ990618_11.9A20.C11.o1.tm	Method	TBLASTX:Maize
Start	7680	End	8279
GI	none	Score	229
Exons	7680..8120, 7696..8118, 8118..8279, 8124..8276		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o1.tw	Method	TBLASTX:Wheat
Start	7833	End	13612
GI	none	Score	78
Exons	7833..8459, 7836..8087, 7945..8403, 13295..13450, 13484..13612		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o5.tm	Method	TBLASTX:Maize
Start	8328	End	8619
GI	none	Score	206
Exons	8328..8618, 8332..8619		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o2.ts	Method	TBLASTX:Soybean
Start	8418	End	8678
GI	none	Score	115
Exons	8418..8621, 8418..8678		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o2.tw	Method	TBLASTX:Wheat
Start	8466	End	9033
GI	none	Score	232
Exons	8466..9002, 8467..8718, 8472..8930, 8773..9033		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o2.tm	Method	TBLASTX:Maize
Start	9024	End	9387
GI	none	Score	172
Exons	9024..9386, 9033..9386, 9037..9387		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o3.tw	Method	TBLASTX:Wheat
Start	9075	End	9489
GI	none	Score	154
Exons	9075..9488, 9077..9388, 9081..9425, 9088..9489		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o4.ts	Method	TBLASTX:Soybean

Start	9207	End	11992
GI	none	Score	66
Exons	9207..9452, 9307..9435, 11738..11866, 11885..11992		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o4.tm	Method	TBLASTX:Maize
Start	9423	End	11767
GI	none	Score	41
Exons	9423..9737, 9466..9510, 9544..9672, 9744..9923, 9796..9915, 11402..11767		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o1.ts	Method	TBLASTX:Soybean
Start	9474	End	11716
GI	none	Score	203
Exons	9474..9833, 9475..9750, 9796..9831, 9837..9869, 9838..9867, 11345..11716		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o5.tw	Method	TBLASTX:Wheat
Start	9492	End	11799
GI	none	Score	65
Exons	9492..9809, 9589..9717, 11375..11797, 11420..11674, 11485..11799		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o4.tw	Method	TBLASTX:Wheat
Start	9810	End	11323
GI	none	Score	264
Exons	9810..10187, 9853..10296, 10066..10218, 10242..10292, 11102..11323		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o7.tm	Method	TBLASTX:Maize
Start	9991	End	10281
GI	none	Score	180
Exons	9991..10281, 9993..10280		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o11.tw	Method	TBLASTX:Wheat
Start	10432	End	10611
GI	none	Score	192
Exons	10432..10611		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-

Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o6.tw	Method	TBLASTX:Wheat
Start	10764	End	11100
GI	none	Score	330
Exons	10764..10937, 10768..11100, 10789..11079, 11013..11099		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o8.tm	Method	TBLASTX:Maize
Start	10933	End	11290
GI	none	Score	192
Exons	10933..11130, 10987..11109, 11022..11129, 11102..11290		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o9.tw	Method	TBLASTX:Wheat
Start	11944	End	12352
GI	none	Score	212
Exons	11944..12171, 11945..12169, 12179..12352, 12272..12349		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o5.ts	Method	TBLASTX:Soybean
Start	12068	End	12451
GI	none	Score	84
Exons	12068..12193, 12200..12451		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o12.tw	Method	TBLASTX:Wheat
Start	12383	End	12649
GI	none	Score	181
Exons	12383..12649, 12385..12522		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o6.tm	Method	TBLASTX:Maize
Start	12857	End	13159
GI	none	Score	302
Exons	12857..13159, 12895..13158		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o7.tw	Method	TBLASTX:Wheat
Start	12857	End	13240
GI	none	Score	328
Exons	12857..13240, 12862..13236		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554

Name	OJ990618_11.9A20.C11.o3.ts	Method	TBLASTX:Soybean
Start	19251	End	19637
GI	none	Score	81
Exons	19251..19316, 19470..19637, 19479..19637		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o9.tm	Method	TBLASTX:Maize
Start	19251	End	19889
GI	none	Score	92
Exons	19251..19316, 19479..19640, 19583..19633, 19805..19876, 19806..19889		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o10.tm	Method	TBLASTX:Maize
Start	19983	End	20862
GI	none	Score	63
Exons	19983..20051, 19985..20050, 19988..20053, 20002..20052, 20415..20549, 20435..20542, 20715..20852, 20716..20862		

Seq. No.	35262	Seq. ID	OJ990618_11.9A20.C11
Gene No.	72940	Strand	-
Start	22098	End	23554
Name	OJ990618_11.9A20.C11.o8.np	Method	AAT/NAP
Start	22098	End	23554
GI	6498436	Score	564
Exons	22098..22217, 22434..22777, 23045..23554		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	35263	Seq. ID	OJ990618_11.9A20.C12
Gene No.	72941	Strand	+
Start	44	End	1082
Name	OJ990618_11.9A20.C12.o1.gs	Method	GENSCAN
Start	44	End	1082
GI	none	Score	.47
Exons	44..104, 383..511, 979..1082		

Seq. No.	35263	Seq. ID	OJ990618_11.9A20.C12
Gene No.	72942	Strand	+
Start	1962	End	7811
Name	OJ990618_11.9A20.C12.o2.gs	Method	GENSCAN
Start	1962	End	7811
GI	none	Score	.66
Exons	1962..2262, 3105..3443, 3734..4118, 4648..4872, 4980..5115, 5294..5545, 6561..6638, 7518..7811		

Seq. No.	35263	Seq. ID	OJ990618_11.9A20.C12
Gene No.	72942	Strand	+
Start	1962	End	7811
Name	OJ990618_11.9A20.C12.o1.np	Method	AAT/NAP
Start	2112	End	5545
GI	4733937	Score	524
Exons	2112..2264, 3182..3443, 3734..4118, 4648..4826, 4940..5115, 5294..5545		

GI Descrip. (AF080245) sesquiterpene synthase [Elaeis oleifera]

Seq. No.	35263	Seq. ID	OJ990618_11.9A20.C12
Gene No.	72943	Strand	+
Start	15115	End	15809
Name	OJ990618_11.9A20.C12.o5.gs	Method	GENSCAN
Start	15115	End	15809
GI	none	Score	.7
Exons	15115..15432, 15606..15809		

Seq. No.	35263	Seq. ID	OJ990618_11.9A20.C12
Gene No.	72944	Strand	-
Start	8341	End	9011
Name	OJ990618_11.9A20.C12.o3.gs	Method	GENSCAN
Start	8341	End	9011
GI	none	Score	.61
Exons	8341..8449, 8476..8654, 8805..9011		

Seq. No.	35263	Seq. ID	OJ990618_11.9A20.C12
Gene No.	72945	Strand	-
Start	10063	End	13607
Name	OJ990618_11.9A20.C12.o3.tm	Method	TBLASTX:Maize
Start	3841	End	5536
GI	none	Score	202
Exons	3841..4116, 3846..4115, 4649..4822, 4649..4825, 4983..5099, 4984..5109, 5306..5449, 5450..5536		

Seq. No.	35263	Seq. ID	OJ990618_11.9A20.C12
Gene No.	72945	Strand	-
Start	10063	End	13607
Name	OJ990618_11.9A20.C12.o2.tw	Method	TBLASTX:Wheat
Start	5486	End	7811
GI	none	Score	58
Exons	5486..5536, 7527..7664, 7532..7654, 7659..7805, 7665..7811		

Seq. No.	35263	Seq. ID	OJ990618_11.9A20.C12
Gene No.	72945	Strand	-
Start	10063	End	13607
Name	OJ990618_11.9A20.C12.o2.tm	Method	TBLASTX:Maize
Start	7556	End	7814
GI	none	Score	229
Exons	7556..7762, 7557..7814, 7563..7814		

Seq. No.	35263	Seq. ID	OJ990618_11.9A20.C12
Gene No.	72945	Strand	-
Start	10063	End	13607
Name	OJ990618_11.9A20.C12.o1.gp	Method	AAT/GAP
Start	9826	End	11171
GI	70716_1.R1084	Score	1445
Exons	9826..10407, 10576..10678, 11054..11171		

GI Descrip. '4874267/gb|AAD31332.1|AC007354_5 1.0e-30 (AC007354) Strong similarity to gb_X56267 auxin-induced protein (pCNT115) from Nicotiana tabacum and is a member of the PF_00248 Aldo/keto reductase family. [Arabidopsis thaliana]'

Seq. No.	35263	Seq. ID	OJ990618_11.9A20.C12
Gene No.	72945	Strand	-

Start	10063	End	13607
Name	OJ990618_11.9A20.C12.o4.gs	Method	GENSCAN
Start	10063	End	13541
GI	none	Score	.79
Exons	10063..10407, 10576..10678, 11054..11226, 13095..13541		

Seq. No.	35263	Seq. ID	OJ990618_11.9A20.C12
Gene No.	72945	Strand	-
Start	10063	End	13607
Name	OJ990618_11.9A20.C12.o2.np	Method	AAT/NAP
Start	10069	End	13520
GI	2462763	Score	1142
Exons	10069..10407, 10585..10678, 11054..11226, 13095..13520		
GI Descrip.	(AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]		

Seq. No.	35263	Seq. ID	OJ990618_11.9A20.C12
Gene No.	72945	Strand	-
Start	10063	End	13607
Name	OJ990618_11.9A20.C12.o1.tm	Method	TBLASTX:Maize
Start	10072	End	13380
GI	none	Score	59
Exons	10072..10125, 10082..10126, 10132..10152, 10153..10410, 10154..10402, 10574..10684, 10576..10680, 11053..11238, 11054..11224, 13092..13226, 13093..13227, 13299..13379, 13302..13379, 13327..13380		

Seq. No.	35263	Seq. ID	OJ990618_11.9A20.C12
Gene No.	72945	Strand	-
Start	10063	End	13607
Name	OJ990618_11.9A20.C12.o2.ts	Method	TBLASTX:Soybean
Start	10072	End	10302
GI	none	Score	132
Exons	10072..10302, 10082..10297		

Seq. No.	35263	Seq. ID	OJ990618_11.9A20.C12
Gene No.	72945	Strand	-
Start	10063	End	13607
Name	OJ990618_11.9A20.C12.o1.tc	Method	TBLASTX:Cress
Start	10222	End	13503
GI	none	Score	76
Exons	10222..10323, 10222..10410, 10226..10405, 10570..10632, 10630..10680, 11053..11238, 11054..11248, 13092..13220, 13096..13221, 13299..13502, 13302..13445, 13327..13503		

Seq. No.	35263	Seq. ID	OJ990618_11.9A20.C12
Gene No.	72945	Strand	-
Start	10063	End	13607
Name	OJ990618_11.9A20.C12.o1.ts	Method	TBLASTX:Soybean
Start	10304	End	13503
GI	none	Score	95
Exons	10304..10417, 10306..10410, 10570..10680, 10580..10681, 11053..11238, 11054..11248, 13092..13223, 13096..13224, 13299..13502, 13302..13445, 13327..13503		

Seq. No.	35263	Seq. ID	OJ990618_11.9A20.C12
Gene No.	72945	Strand	-

Start	10063	End	13607
Name	OJ990618_11.9A20.C12.o2.gp	Method	AAT/GAP
Start	13193	End	13607
GI	71684_1.R1084	Score	809
Exons	13193..13607		
GI Descrip.	'1352461/sp\|P49249\|IN22_MAIZE 3.0e-23 IN2-2 PROTEIN'		

Seq. No.	35263	Seq. ID	OJ990618_11.9A20.C12
Gene No.	72945	Strand	-
Start	10063	End	13607
Name	OJ990618_11.9A20.C12.o1.tw	Method	TBLASTX:Wheat
Start	13299	End	13506
GI	none	Score	166
Exons	13299..13505, 13302..13448, 13324..13506		

Seq. No.	35264	Seq. ID	OJ990618_11.9A20.C13
Gene No.	72946	Strand	+
Start	1317	End	1571
Name	OJ990618_11.9A20.C13.o1.gs	Method	GENSCAN
Start	1317	End	1571
GI	none	Score	.75
Exons	1317..1571		

Seq. No.	35264	Seq. ID	OJ990618_11.9A20.C13
Gene No.	72947	Strand	+
Start	1846	End	5387
Name	OJ990618_11.9A20.C13.o1.np	Method	AAT/NAP
Start	1846	End	5387
GI	5922620	Score	584
Exons	1846..1999, 2293..2325, 3196..3307, 3441..3520, 3568..3755, 3792..3876, 5257..5387		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35264	Seq. ID	OJ990618_11.9A20.C13
Gene No.	72948	Strand	-
Start	5525	End	5872
Name	OJ990618_11.9A20.C13.o2.np	Method	AAT/NAP
Start	5525	End	5872
GI	6630699	Score	93
Exons	5525..5872		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	35264	Seq. ID	OJ990618_11.9A20.C13
Gene No.	72949	Strand	-
Start	8984	End	13600
Name	OJ990618_11.9A20.C13.o1.tm	Method	TBLASTX:Maize
Start	8981	End	9608
GI	none	Score	97
Exons	8981..9484, 9045..9215, 9088..9357, 9206..9487, 9485..9607, 9486..9608		

Seq. No.	35264	Seq. ID	OJ990618_11.9A20.C13
Gene No.	72949	Strand	-
Start	8984	End	13600
Name	OJ990618_11.9A20.C13.o3.gs	Method	GENSCAN
Start	8984	End	13600
GI	none	Score	.83
Exons	8984..9387, 9518..9607, 10129..10360, 11114..11641, 11652..11865, 13467..13600		

Seq. No.	35264	Seq. ID	OJ990618_11.9A20.C13
Gene No.	72949	Strand	-
Start	8984	End	13600
Name	OJ990618_11.9A20.C13.o3.np	Method	AAT/NAP
Start	8999	End	13174
GI	5915836	Score	957
Exons	8999..9607, 11114..11933, 13090..13174		
GI Descrip.	CYTOCHROME P450 71D7 gi\|1762144 (U48435) putative cytochrome P450 [Solanum chacoense]		

Seq. No.	35264	Seq. ID	OJ990618_11.9A20.C13
Gene No.	72949	Strand	-
Start	8984	End	13600
Name	OJ990618_11.9A20.C13.o2.tw	Method	TBLASTX:Wheat
Start	9002	End	9271
GI	none	Score	139
Exons	9002..9271, 9015..9215, 9062..9265		

Seq. No.	35264	Seq. ID	OJ990618_11.9A20.C13
Gene No.	72949	Strand	-
Start	8984	End	13600
Name	OJ990618_11.9A20.C13.o1.tc	Method	TBLASTX:Cress
Start	9011	End	9617
GI	none	Score	134
Exons	9011..9484, 9012..9215, 9248..9484, 9462..9617, 9500..9613		

Seq. No.	35264	Seq. ID	OJ990618_11.9A20.C13
Gene No.	72949	Strand	-
Start	8984	End	13600
Name	OJ990618_11.9A20.C13.o1.ts	Method	TBLASTX:Soybean
Start	9011	End	11816
GI	none	Score	120
Exons	9011..9619, 9054..9215, 9062..9565, 9339..9611, 11294..11530, 11516..11683, 11712..11816		

Seq. No.	35264	Seq. ID	OJ990618_11.9A20.C13
Gene No.	72949	Strand	-
Start	8984	End	13600
Name	OJ990618_11.9A20.C13.o1.tw	Method	TBLASTX:Wheat
Start	9302	End	9607
GI	none	Score	228
Exons	9302..9607, 9303..9593, 9308..9607		

Seq. No.	35264	Seq. ID	OJ990618_11.9A20.C13
Gene No.	72949	Strand	-
Start	8984	End	13600
Name	OJ990618_11.9A20.C13.o4.np	Method	AAT/NAP
Start	9452	End	12009

GI	4063734	Score	282
Exons	9452..9606, 9721..9852, 9926..10016, 11352..12009		
GI Descrip.	(AC006259) putative P450 [Arabidopsis thaliana]		

Seq. No.	35264	Seq. ID	OJ990618_11.9A20.C13
Gene No.	72949	Strand	-
Start	8984	End	13600
Name	OJ990618_11.9A20.C13.o2.tm	Method	TBLASTX:Maize
Start	11312	End	11926
GI	none	Score	113
Exons	11312..11515, 11346..11516, 11510..11665, 11526..11591, 11706..11816, 11858..11926		

Seq. No.	35265	Seq. ID	OJ990618_11.9A20.C14
Gene No.	72950	Strand	+
Start	232	End	4273
Name	OJ990618_11.9A20.C14.o1.gs	Method	GENSCAN
Start	232	End	4273
GI	none	Score	.48
Exons	232..575, 671..769, 3917..4122, 4134..4273		

Seq. No.	35266	Seq. ID	OJ990618_11.9A20.C16
Gene No.	72951	Strand	+
Start	177	End	654
Name	OJ990618_11.9A20.C16.o1.gp	Method	AAT/GAP
Start	177	End	654
GI	1514_2.R1084	Score	873
Exons	177..654		
GI Descrip.	'2462763 1.0e-121 (AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]'		

Seq. No.	35266	Seq. ID	OJ990618_11.9A20.C16
Gene No.	72952	Strand	-
Start	474	End	654
Name	OJ990618_11.9A20.C16.o1.np	Method	AAT/NAP
Start	474	End	654
GI	2462763	Score	123
Exons	474..654		
GI Descrip.	(AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]		

Seq. No.	35267	Seq. ID	OJ990618_11.9A20.C17
Gene No.	72953	Strand	-
Start	1	End	169
Name	OJ990618_11.9A20.C17.o1.np	Method	AAT/NAP
Start	1	End	169
GI	4220528	Score	155
Exons	1..169		
GI Descrip.	(AL035356) glucose-6-phosphate isomerase [Arabidopsis thaliana]		

Seq. No.	35268	Seq. ID	OJ990618_11.9A20.C18
Gene No.	72954	Strand	+
Start	173	End	1355
Name	OJ990618_11.9A20.C18.o1.gs	Method	GENSCAN
Start	173	End	1316
GI	none	Score	.48
Exons	173..1316		

Seq. No.	35268	Seq. ID	OJ990618_11.9A20.C18
Gene No.	72954	Strand	+
Start	173	End	1355
Name	OJ990618_11.9A20.C18.o1.np	Method	AAT/NAP
Start	467	End	1355
GI	6815062	Score	1473
Exons	467..1355		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	35268	Seq. ID	OJ990618_11.9A20.C18
Gene No.	72954	Strand	+
Start	173	End	1355
Name	OJ990618_11.9A20.C18.o1.tm	Method	TBLASTX:Maize
Start	508	End	1053
GI	none	Score	137
Exons	508..630, 512..697, 685..1053, 686..1051		

Seq. No.	35269	Seq. ID	OJ990618_11.9A20.C19
Gene No.	72955	Strand	+
Start	1	End	4846
Name	OJ990618_11.9A20.C19.o1.np	Method	AAT/NAP
Start	1	End	4596
GI	6815062	Score	3867
Exons	1..348, 608..680, 1633..2289, 2365..2567, 2660..2865, 2911..3256, 3337..3435, 3515..3875, 4188..4208, 4263..4312, 4414..4596		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	35269	Seq. ID	OJ990618_11.9A20.C19
Gene No.	72955	Strand	+
Start	1	End	4846
Name	OJ990618_11.9A20.C19.o1.gs	Method	GENSCAN
Start	5	End	4846
GI	none	Score	.88
Exons	5..427, 608..680, 1356..1381, 1708..2188, 2500..2567, 2660..2865, 2962..3256, 3337..3435, 3515..3885, 4355..4454, 4514..4846		

Seq. No.	35269	Seq. ID	OJ990618_11.9A20.C19
Gene No.	72956	Strand	-
Start	5437	End	8054
Name	OJ990618_11.9A20.C19.o3.tm	Method	TBLASTX:Maize
Start	1741	End	2130
GI	none	Score	266
Exons	1741..2001, 1752..1979, 1996..2025, 2035..2130		

Seq. No.	35269	Seq. ID	OJ990618_11.9A20.C19
Gene No.	72956	Strand	-
Start	5437	End	8054
Name	OJ990618_11.9A20.C19.o1.tm	Method	TBLASTX:Maize
Start	2134	End	3280
GI	none	Score	102

Exons	2134..2223, 2149..2238, 2217..2303, 2231..2287, 2364..2435, 2457..2498, 2508..2585, 2666..2833, 2716..2814, 2840..2866, 2948..3280		
Seq. No.	35269	Seq. ID	OJ990618_11.9A20.C19
Gene No.	72956	Strand	-
Start	5437	End	8054
Name	OJ990618_11.9A20.C19.o2.gs	Method	GENSCAN
Start	5437	End	7923
GI	none	Score	.74
Exons	5437..5667, 5802..5940, 7661..7923		
Seq. No.	35269	Seq. ID	OJ990618_11.9A20.C19
Gene No.	72956	Strand	-
Start	5437	End	8054
Name	OJ990618_11.9A20.C19.o1.gp	Method	AAT/GAP
Start	7268	End	7614
GI	4714157	Score	638
Exons	7268..7614		
Seq. No.	35269	Seq. ID	OJ990618_11.9A20.C19
Gene No.	72956	Strand	-
Start	5437	End	8054
Name	OJ990618_11.9A20.C19.o1.tc	Method	TBLASTX:Cress
Start	7568	End	7920
GI	none	Score	57
Exons	7568..7636, 7591..7635, 7681..7920, 7721..7873		
Seq. No.	35269	Seq. ID	OJ990618_11.9A20.C19
Gene No.	72956	Strand	-
Start	5437	End	8054
Name	OJ990618_11.9A20.C19.o2.np	Method	AAT/NAP
Start	7588	End	8054
GI	2462761	Score	321
Exons	7588..8054		
GI Descrip.	(AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]		
Seq. No.	35269	Seq. ID	OJ990618_11.9A20.C19
Gene No.	72956	Strand	-
Start	5437	End	8054
Name	OJ990618_11.9A20.C19.o2.tm	Method	TBLASTX:Maize
Start	7588	End	7933
GI	none	Score	64
Exons	7588..7635, 7589..7639, 7678..7920, 7684..7914, 7724..7933		
Seq. No.	35269	Seq. ID	OJ990618_11.9A20.C19
Gene No.	72956	Strand	-
Start	5437	End	8054
Name	OJ990618_11.9A20.C19.o1.ts	Method	TBLASTX:Soybean
Start	7702	End	7933
GI	none	Score	193
Exons	7702..7926, 7724..7933		
Seq. No.	35270	Seq. ID	OJ990618_11.9A20.C20
Gene No.	72957	Strand	+
Start	2076	End	3051

Name	OJ990618_11.9A20.C20.o1.gs	Method	GENSCAN
Start	2076	End	3051
GI	none	Score	.53
Exons	2076..2394, 2576..3051		

Seq. No.	35270	Seq. ID	OJ990618_11.9A20.C20
Gene No.	72958	Strand	-
Start	287	End	4042
Name	OJ990618_11.9A20.C20.o1.np	Method	AAT/NAP
Start	287	End	4033
GI	1352461	Score	875
Exons	287..389, 474..646, 3500..3703, 3809..4033		
GI Descrip.	IN2-2 PROTEIN		

Seq. No.	35270	Seq. ID	OJ990618_11.9A20.C20
Gene No.	72958	Strand	-
Start	287	End	4042
Name	OJ990618_11.9A20.C20.o2.gs	Method	GENSCAN
Start	3407	End	4042
GI	none	Score	.57
Exons	3407..3415, 3500..3703, 3809..4042		

Seq. No.	35270	Seq. ID	OJ990618_11.9A20.C20
Gene No.	72959	Strand	-
Start	4949	End	6495
Name	OJ990618_11.9A20.C20.o3.gs	Method	GENSCAN
Start	4949	End	6495
GI	none	Score	.52
Exons	4949..5067, 5845..6100, 6334..6495		

Seq. No.	35270	Seq. ID	OJ990618_11.9A20.C20
Gene No.	72959	Strand	-
Start	4949	End	6495
Name	OJ990618_11.9A20.C20.o2.np	Method	AAT/NAP
Start	6334	End	6465
GI	728744	Score	73
Exons	6334..6465		
GI Descrip.	AUXIN-INDUCED PROTEIN PCNT115 gi\|100305\|pir\|\|S16390 auxin-induced protein - common tobacco gi\|19799\|emb\|CAA39708\| (X56267) auxin-induced protein [Nicotiana tabacum]		

Seq. No.	35270	Seq. ID	OJ990618_11.9A20.C20
Gene No.	72960	Strand	-
Start	10784	End	11474
Name	OJ990618_11.9A20.C20.o1.tm	Method	TBLASTX:Maize
Start	287	End	646
GI	none	Score	136
Exons	287..391, 288..389, 289..390, 473..646, 474..644		

Seq. No.	35270	Seq. ID	OJ990618_11.9A20.C20
Gene No.	72960	Strand	-
Start	10784	End	11474
Name	OJ990618_11.9A20.C20.o2.ts	Method	TBLASTX:Soybean
Start	287	End	647
GI	none	Score	88
Exons	287..391, 291..389, 473..616, 473..646, 474..647		

Seq. No.	35270	Seq. ID	OJ990618_11.9A20.C20
Gene No.	72960	Strand	-
Start	10784	End	11474
Name	OJ990618_11.9A20.C20.o1.tc	Method	TBLASTX:Cress
Start	333	End	6435
GI	none	Score	65
Exons	333..389, 341..391, 473..646, 474..647, 3492..3689, 3494..3688, 3801..4001, 3809..4006, 3893..4006, 6359..6406, 6397..6435		

Seq. No.	35270	Seq. ID	OJ990618_11.9A20.C20
Gene No.	72960	Strand	-
Start	10784	End	11474
Name	OJ990618_11.9A20.C20.o3.tm	Method	TBLASTX:Maize
Start	3492	End	3623
GI	none	Score	190
Exons	3492..3623, 3494..3622		

Seq. No.	35270	Seq. ID	OJ990618_11.9A20.C20
Gene No.	72960	Strand	-
Start	10784	End	11474
Name	OJ990618_11.9A20.C20.o1.ts	Method	TBLASTX:Soybean
Start	3512	End	6435
GI	none	Score	185
Exons	3512..3691, 3513..3692, 3804..4001, 3809..4006, 3893..4003, 6351..6395, 6356..6394, 6397..6435, 6398..6433		

Seq. No.	35270	Seq. ID	OJ990618_11.9A20.C20
Gene No.	72960	Strand	-
Start	10784	End	11474
Name	OJ990618_11.9A20.C20.o1.tw	Method	TBLASTX:Wheat
Start	3630	End	6435
GI	none	Score	79
Exons	3630..3692, 3630..3662, 3659..3691, 3809..4009, 3810..4010, 6345..6398, 6346..6396, 6351..6401, 6356..6406, 6397..6435, 6398..6433		

Seq. No.	35270	Seq. ID	OJ990618_11.9A20.C20
Gene No.	72960	Strand	-
Start	10784	End	11474
Name	OJ990618_11.9A20.C20.o2.tm	Method	TBLASTX:Maize
Start	3651	End	6435
GI	none	Score	63
Exons	3651..3692, 3659..3691, 3809..4009, 3810..4010, 6345..6401, 6346..6417, 6356..6406, 6397..6435		

Seq. No.	35270	Seq. ID	OJ990618_11.9A20.C20
Gene No.	72960	Strand	-
Start	10784	End	11474
Name	OJ990618_11.9A20.C20.o4.gs	Method	GENSCAN
Start	10784	End	11474
GI	none	Score	.7
Exons	10784..10899, 11423..11474		

Seq. No.	35271	Seq. ID	OJ990618_11.9A20.C23
Gene No.	72961	Strand	+
Start	216	End	418
Name	OJ990618_11.9A20.C23.o1.np	Method	AAT/NAP

Start	216	End	418
GI	6815062	Score	140
Exons	216..418		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	35271	Seq. ID	OJ990618_11.9A20.C23
Gene No.	72962	Strand	-
Start	204	End	442
Name	OJ990618_11.9A20.C23.o1.gs	Method	GENSCAN
Start	204	End	442
GI	none	Score	.65
Exons	204..364, 396..442		

Seq. No.	35272	Seq. ID	OJ990618_11.9A20.C26
Gene No.	72963	Strand	+
Start	1	End	390
Name	OJ990618_11.9A20.C26.o1.np	Method	AAT/NAP
Start	1	End	390
GI	1352461	Score	274
Exons	1..208, 345..390		
GI Descrip.	IN2-2 PROTEIN		

Seq. No.	35272	Seq. ID	OJ990618_11.9A20.C26
Gene No.	72963	Strand	+
Start	1	End	390
Name	OJ990618_11.9A20.C26.o1.tm	Method	TBLASTX:Maize
Start	2	End	208
GI	none	Score	304
Exons	2..208, 4..207		

Seq. No.	35272	Seq. ID	OJ990618_11.9A20.C26
Gene No.	72963	Strand	+
Start	1	End	390
Name	OJ990618_11.9A20.C26.o1.tw	Method	TBLASTX:Wheat
Start	4	End	208
GI	none	Score	303
Exons	4..207, 5..208, 176..208		

Seq. No.	35272	Seq. ID	OJ990618_11.9A20.C26
Gene No.	72963	Strand	+
Start	1	End	390
Name	OJ990618_11.9A20.C26.o1.tc	Method	TBLASTX:Cress
Start	5	End	219
GI	none	Score	277
Exons	5..208, 16..219		

Seq. No.	35272	Seq. ID	OJ990618_11.9A20.C26
Gene No.	72963	Strand	+
Start	1	End	390
Name	OJ990618_11.9A20.C26.o1.ts	Method	TBLASTX:Soybean
Start	5	End	213
GI	none	Score	284
Exons	5..208, 16..213		

Seq. No.	35272	Seq. ID	OJ990618_11.9A20.C26

Gene No.	72963	Strand	+
Start	1	End	390
Name	OJ990618_11.9A20.C26.o1.gs	Method	GENSCAN
Start	65	End	208
GI	none	Score	.6
Exons	65..208		

Seq. No.	35273	Seq. ID	OJ990528_11.9A03.C1
Gene No.	72964	Strand	-
Start	1	End	596
Name	OJ990528_11.9A03.C1.o1.gp	Method	AAT/GAP
Start	1	End	596
GI	2428298	Score	783
Exons	1..240, 417..596		
GI Descrip.	5091516/dbj\|BAA78751.1\| 3.0e-32 (AB023482) ESTs C72761(E2193),AU056875(S20945), AU056876(S20945) correspond to a region of the predicted gene.; Similar to Thermus thermophilus gene for homocitrate synthase, homoaconitate hydratase, and ORF,complete and part		

Seq. No.	35273	Seq. ID	OJ990528_11.9A03.C1
Gene No.	72964	Strand	-
Start	1	End	596
Name	OJ990528_11.9A03.C1.o1.np	Method	AAT/NAP
Start	1	End	452
GI	5091516	Score	403
Exons	1..240, 417..452		
GI Descrip.	(AB023482) ESTs C72761(E2193),AU056875(S20945), AU056876(S20945) correspond to a region of the predicted gene.; Similar to Thermus thermophilus gene for homocitrate synthase, homoaconitate hydratase, and ORF,complete and part...		

Seq. No.	35273	Seq. ID	OJ990528_11.9A03.C1
Gene No.	72964	Strand	-
Start	1	End	596
Name	OJ990528_11.9A03.C1.o1.tc	Method	TBLASTX:Cress
Start	1	End	198
GI	none	Score	97
Exons	1..198, 2..169		

Seq. No.	35273	Seq. ID	OJ990528_11.9A03.C1
Gene No.	72964	Strand	-
Start	1	End	596
Name	OJ990528_11.9A03.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	240
GI	none	Score	237
Exons	1..240, 2..238, 4..240		

Seq. No.	35273	Seq. ID	OJ990528_11.9A03.C1
Gene No.	72964	Strand	-
Start	1	End	596
Name	OJ990528_11.9A03.C1.o1.gs	Method	GENSCAN
Start	105	End	528
GI	none	Score	.68
Exons	105..240, 417..528		

Seq. No.	35274	Seq. ID	OJ990528_11.9A03.C2

Gene No.	72965	Strand	-
Start	32	End	1507
Name	OJ990528_11.9A03.C2.o1.gs	Method	GENSCAN
Start	32	End	1507
GI	none	Score	.68
Exons	32..238, 1484..1507		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3
Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o1.gs	Method	GENSCAN
Start	282	End	3682
GI	none	Score	.61
Exons	282..3682		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3
Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o1.np	Method	AAT/NAP
Start	285	End	3783
GI	4680179	Score	5395
Exons	285..3783		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3
Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o7.tm	Method	TBLASTX:Maize
Start	309	End	521
GI	none	Score	200
Exons	309..521		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3
Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o6.tw	Method	TBLASTX:Wheat
Start	330	End	663
GI	none	Score	73
Exons	330..662, 526..663		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3
Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o1.tm	Method	TBLASTX:Maize
Start	522	End	1109
GI	none	Score	61
Exons	522..791, 523..621, 649..783, 666..836, 852..950, 853..948, 882..950, 948..1109, 955..1101, 957..1103		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3
Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o1.tw	Method	TBLASTX:Wheat
Start	663	End	1289
GI	none	Score	349
Exons	663..1289, 664..1233		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3
Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o3.tm	Method	TBLASTX:Maize
Start	1158	End	1450
GI	none	Score	161
Exons	1158..1448, 1162..1347, 1163..1450, 1167..1379, 1259..1450		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3
Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o2.ts	Method	TBLASTX:Soybean
Start	1248	End	1508
GI	none	Score	54
Exons	1248..1316, 1248..1508, 1405..1503		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3
Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o1.tc	Method	TBLASTX:Cress
Start	1272	End	1598
GI	none	Score	64
Exons	1272..1415, 1273..1350, 1416..1598		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3
Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o3.tw	Method	TBLASTX:Wheat
Start	1296	End	1775
GI	none	Score	223
Exons	1296..1775, 1297..1680, 1302..1757		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3
Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o2.tw	Method	TBLASTX:Wheat
Start	1779	End	2288
GI	none	Score	302
Exons	1779..2288, 1780..2256, 1869..2288		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3
Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o2.tm	Method	TBLASTX:Maize
Start	1863	End	2216
GI	none	Score	132
Exons	1863..2216, 1878..2174, 2038..2214		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3
Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o3.ts	Method	TBLASTX:Soybean
Start	2037	End	2279
GI	none	Score	197
Exons	2037..2279		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3

Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o5.tm	Method	TBLASTX:Maize
Start	2217	End	2570
GI	none	Score	117
Exons	2217..2570, 2299..2559		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3
Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o5.tw	Method	TBLASTX:Wheat
Start	2289	End	2591
GI	none	Score	201
Exons	2289..2591, 2290..2553		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3
Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o1.ts	Method	TBLASTX:Soybean
Start	2304	End	2699
GI	none	Score	126
Exons	2304..2663, 2305..2547, 2522..2656, 2586..2660, 2667..2699, 2667..2699		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3
Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o4.tm	Method	TBLASTX:Maize
Start	2586	End	3057
GI	none	Score	111
Exons	2586..3053, 2619..2966, 2812..3057		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3
Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o4.tw	Method	TBLASTX:Wheat
Start	2640	End	3126
GI	none	Score	215
Exons	2640..3122, 2682..3098, 2683..3126		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3
Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o4.ts	Method	TBLASTX:Soybean
Start	2772	End	3053
GI	none	Score	57
Exons	2772..3053, 2773..2970		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3
Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o7.tw	Method	TBLASTX:Wheat
Start	3297	End	3651
GI	none	Score	79
Exons	3297..3650, 3333..3467, 3556..3651		

Seq. No.	35275	Seq. ID	OJ990528_11.9A03.C3

Gene No.	72966	Strand	-
Start	282	End	3783
Name	OJ990528_11.9A03.C3.o6.tm	Method	TBLASTX:Maize
Start	3384	End	3704
GI	none	Score	209
Exons	3384..3704		

Seq. No.	35276	Seq. ID	OJ990528_11.9A03.C4
Gene No.	72967	Strand	+
Start	1	End	4549
Name	OJ990528_11.9A03.C4.o2.np	Method	AAT/NAP
Start	1	End	4549
GI	5295955	Score	753
Exons	1..41, 675..826, 1985..2101, 2644..2758, 3439..3869, 3948..4023, 4063..4549		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	35276	Seq. ID	OJ990528_11.9A03.C4
Gene No.	72968	Strand	-
Start	1	End	4076
Name	OJ990528_11.9A03.C4.o1.np	Method	AAT/NAP
Start	1	End	1021
GI	4680179	Score	1183
Exons	1..1021		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35276	Seq. ID	OJ990528_11.9A03.C4
Gene No.	72968	Strand	-
Start	1	End	4076
Name	OJ990528_11.9A03.C4.o1.gs	Method	GENSCAN
Start	58	End	4076
GI	none	Score	.68
Exons	58..1018, 1166..1211, 3651..3744, 3791..3874, 3965..4076		

Seq. No.	35276	Seq. ID	OJ990528_11.9A03.C4
Gene No.	72968	Strand	-
Start	1	End	4076
Name	OJ990528_11.9A03.C4.o1.tm	Method	TBLASTX:Maize
Start	212	End	508
GI	none	Score	100
Exons	212..508, 321..491		

Seq. No.	35276	Seq. ID	OJ990528_11.9A03.C4
Gene No.	72968	Strand	-
Start	1	End	4076
Name	OJ990528_11.9A03.C4.o1.tw	Method	TBLASTX:Wheat
Start	389	End	752
GI	none	Score	82
Exons	389..748, 390..623, 648..752		

Seq. No.	35277	Seq. ID	OJ990528_11.9A03.C5
Gene No.	72969	Strand	+
Start	28	End	455
Name	OJ990528_11.9A03.C5.o1.gs	Method	GENSCAN
Start	28	End	455
GI	none	Score	.75

Exons	28..171, 408..455		
Seq. No.	35277	Seq. ID	OJ990528_11.9A03.C5
Gene No.	72970	Strand	-
Start	620	End	1488
Name	OJ990528_11.9A03.C5.o2.gs	Method	GENSCAN
Start	620	End	1273
GI	none	Score	.98
Exons	620..1273		
Seq. No.	35277	Seq. ID	OJ990528_11.9A03.C5
Gene No.	72970	Strand	-
Start	620	End	1488
Name	OJ990528_11.9A03.C5.o1.np	Method	AAT/NAP
Start	623	End	1488
GI	4680179	Score	1108
Exons	623..1488		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	35277	Seq. ID	OJ990528_11.9A03.C5
Gene No.	72970	Strand	-
Start	620	End	1488
Name	OJ990528_11.9A03.C5.o2.tm	Method	TBLASTX:Maize
Start	647	End	859
GI	none	Score	200
Exons	647..859		
Seq. No.	35277	Seq. ID	OJ990528_11.9A03.C5
Gene No.	72970	Strand	-
Start	620	End	1488
Name	OJ990528_11.9A03.C5.o1.tw	Method	TBLASTX:Wheat
Start	668	End	1090
GI	none	Score	129
Exons	668..1090, 864..1070		
Seq. No.	35277	Seq. ID	OJ990528_11.9A03.C5
Gene No.	72970	Strand	-
Start	620	End	1488
Name	OJ990528_11.9A03.C5.o1.tm	Method	TBLASTX:Maize
Start	860	End	1322
GI	none	Score	131
Exons	860..1129, 861..1121, 1004..1174, 1005..1172, 1190..1288, 1191..1286, 1220..1288, 1286..1321, 1293..1322		
Seq. No.	35277	Seq. ID	OJ990528_11.9A03.C5
Gene No.	72970	Strand	-
Start	620	End	1488
Name	OJ990528_11.9A03.C5.o2.tw	Method	TBLASTX:Wheat
Start	1094	End	1322
GI	none	Score	152
Exons	1094..1321, 1098..1322		
Seq. No.	35278	Seq. ID	OJ990528_11.9A03.C6
Gene No.	72971	Strand	+
Start	538	End	675
Name	OJ990528_11.9A03.C6.o1.gs	Method	GENSCAN
Start	538	End	675

GI	none	Score	.92
Exons	538..675		
Seq. No.	35279	Seq. ID	OJ990528_11.9A03.C7
Gene No.	72972	Strand	-
Start	291	End	356
Name	OJ990528_11.9A03.C7.o1.gs	Method	GENSCAN
Start	291	End	356
GI	none	Score	.89
Exons	291..356		
Seq. No.	35279	Seq. ID	OJ990528_11.9A03.C7
Gene No.	72973	Strand	-
Start	291	End	485
Name	OJ990528_11.9A03.C7.o1.gp	Method	AAT/GAP
Start	291	End	485
GI	none	Score	353
Exons	291..485		
Seq. No.	35280	Seq. ID	OJ990528_11.9A03.C9
Gene No.	72974	Strand	+
Start	1062	End	1492
Name	OJ990528_11.9A03.C9.o1.gs	Method	GENSCAN
Start	1062	End	1492
GI	none	Score	.76
Exons	1062..1143, 1419..1492		
Seq. No.	35280	Seq. ID	OJ990528_11.9A03.C9
Gene No.	72975	Strand	+
Start	9665	End	10681
Name	OJ990528_11.9A03.C9.o1.np	Method	AAT/NAP
Start	9665	End	10660
GI	6729022	Score	380
Exons	9665..10660		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		
Seq. No.	35280	Seq. ID	OJ990528_11.9A03.C9
Gene No.	72975	Strand	+
Start	9665	End	10681
Name	OJ990528_11.9A03.C9.o4.gs	Method	GENSCAN
Start	9665	End	10681
GI	none	Score	.96
Exons	9665..10681		
Seq. No.	35280	Seq. ID	OJ990528_11.9A03.C9
Gene No.	72976	Strand	-
Start	2237	End	5837
Name	OJ990528_11.9A03.C9.o2.gs	Method	GENSCAN
Start	2237	End	5837
GI	none	Score	.6
Exons	2237..2530, 3587..3795, 4054..4228, 5474..5562, 5831..5837		
Seq. No.	35280	Seq. ID	OJ990528_11.9A03.C9
Gene No.	72977	Strand	-
Start	11558	End	11899
Name	OJ990528_11.9A03.C9.o1.tm	Method	TBLASTX:Maize
Start	9698	End	10069

GI	none	Score	280
Exons	9698..9910, 9707..9817, 9715..9891, 9946..10002, 9948..10004, 10012..10065, 10013..10069		

Seq. No.	35280	Seq. ID	OJ990528_11.9A03.C9
Gene No.	72977	Strand	-
Start	11558	End	11899
Name	OJ990528_11.9A03.C9.o1.tc	Method	TBLASTX:Cress
Start	9935	End	10402
GI	none	Score	132
Exons	9935..10135, 9946..10134, 10178..10246, 10180..10209, 10247..10402		

Seq. No.	35280	Seq. ID	OJ990528_11.9A03.C9
Gene No.	72977	Strand	-
Start	11558	End	11899
Name	OJ990528_11.9A03.C9.o1.ts	Method	TBLASTX:Soybean
Start	10007	End	10408
GI	none	Score	129
Exons	10007..10135, 10009..10134, 10178..10234, 10247..10408		

Seq. No.	35280	Seq. ID	OJ990528_11.9A03.C9
Gene No.	72977	Strand	-
Start	11558	End	11899
Name	OJ990528_11.9A03.C9.o2.tm	Method	TBLASTX:Maize
Start	10070	End	10525
GI	none	Score	84
Exons	10070..10135, 10175..10234, 10229..10327, 10358..10408, 10460..10525		

Seq. No.	35280	Seq. ID	OJ990528_11.9A03.C9
Gene No.	72977	Strand	-
Start	11558	End	11899
Name	OJ990528_11.9A03.C9.o5.gs	Method	GENSCAN
Start	11558	End	11899
GI	none	Score	.53
Exons	11558..11899		

Seq. No.	35281	Seq. ID	OJ990528_11.9A03.C10
Gene No.	72978	Strand	-
Start	317	End	7459
Name	OJ990528_11.9A03.C10.o1.gs	Method	GENSCAN
Start	317	End	7459
GI	none	Score	.7
Exons	317..721, 753..1150, 1448..1529, 2527..2592, 4853..5121, 6432..6562, 7383..7459		

Seq. No.	35281	Seq. ID	OJ990528_11.9A03.C10
Gene No.	72978	Strand	-
Start	317	End	7459
Name	OJ990528_11.9A03.C10.o1.np	Method	AAT/NAP
Start	320	End	1568
GI	4097571	Score	104
Exons	320..511, 783..978, 1006..1139, 1446..1568		
GI Descrip.	(U64916) GMFP5 [Glycine max]		

Seq. No.	35281	Seq. ID	OJ990528_11.9A03.C10

Gene No.	72978	Strand	-
Start	317	End	7459
Name	OJ990528_11.9A03.C10.o1.gp	Method	AAT/GAP
Start	999	End	2721
GI	none	Score	783
Exons	999..1150, 1448..1529, 2527..2721		

Seq. No.	35281	Seq. ID	OJ990528_11.9A03.C10
Gene No.	72978	Strand	-
Start	317	End	7459
Name	OJ990528_11.9A03.C10.o2.np	Method	AAT/NAP
Start	6395	End	6682
GI	6539588	Score	191
Exons	6395..6682		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	35282	Seq. ID	OJ990528_11.9A03.C11
Gene No.	72979	Strand	+
Start	2956	End	7861
Name	OJ990528_11.9A03.C11.o1.np	Method	AAT/NAP
Start	2956	End	7861
GI	6539553	Score	1980
Exons	2956..4166, 7772..7861		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	35282	Seq. ID	OJ990528_11.9A03.C11
Gene No.	72980	Strand	-
Start	7577	End	10435
Name	OJ990528_11.9A03.C11.o1.tw	Method	TBLASTX:Wheat
Start	2950	End	3336
GI	none	Score	345
Exons	2950..3336, 2961..3335		

Seq. No.	35282	Seq. ID	OJ990528_11.9A03.C11
Gene No.	72980	Strand	-
Start	7577	End	10435
Name	OJ990528_11.9A03.C11.o1.tm	Method	TBLASTX:Maize
Start	3085	End	3398
GI	none	Score	348
Exons	3085..3396, 3093..3398		

Seq. No.	35282	Seq. ID	OJ990528_11.9A03.C11
Gene No.	72980	Strand	-
Start	7577	End	10435
Name	OJ990528_11.9A03.C11.o2.tm	Method	TBLASTX:Maize
Start	3897	End	4158
GI	none	Score	221
Exons	3897..4145, 3904..4158, 3905..4141, 3913..4143		

Seq. No.	35282	Seq. ID	OJ990528_11.9A03.C11
Gene No.	72980	Strand	-
Start	7577	End	10435
Name	OJ990528_11.9A03.C11.o2.gs	Method	GENSCAN
Start	7577	End	10435

GI	none	Score	.78
Exons	7577..7729, 8273..8374, 8627..8683, 8778..8855, 9329..9415, 10032..10121, 10229..10435		

Seq. No.	35283	Seq. ID	OJ990528_11.9A03.C13
Gene No.	72981	Strand	+
Start	2993	End	4710
Name	OJ990528_11.9A03.C13.o2.gp	Method	AAT/GAP
Start	2297	End	2802
GI	none	Score	962
Exons	2297..2802		

Seq. No.	35283	Seq. ID	OJ990528_11.9A03.C13
Gene No.	72981	Strand	+
Start	2993	End	4710
Name	OJ990528_11.9A03.C13.o2.gs	Method	GENSCAN
Start	2993	End	4625
GI	none	Score	.85
Exons	2993..3299, 3987..4072, 4149..4253, 4341..4625		

Seq. No.	35283	Seq. ID	OJ990528_11.9A03.C13
Gene No.	72981	Strand	+
Start	2993	End	4710
Name	OJ990528_11.9A03.C13.o3.np	Method	AAT/NAP
Start	3002	End	4710
GI	5734720	Score	217
Exons	3002..3163, 3192..3411, 4171..4209, 4366..4710		
GI Descrip.	(AC008075) Contains PF\|01426 BAH (bromo-adjacent homology) domain. ESTs gb\|N96349, gb\|T42710, gb\|H77084, gb\|AA395147 and gb\|AA605500 come from this gene. [Arabidopsis thaliana]		

Seq. No.	35283	Seq. ID	OJ990528_11.9A03.C13
Gene No.	72982	Strand	-
Start	1	End	2928
Name	OJ990528_11.9A03.C13.o2.np	Method	AAT/NAP
Start	1	End	2928
GI	1155068	Score	136
Exons	1..259, 510..994, 2409..2441, 2775..2928		
GI Descrip.	(X94976) cell wall-plasma membrane linker protein [Brassica napus]		

Seq. No.	35283	Seq. ID	OJ990528_11.9A03.C13
Gene No.	72982	Strand	-
Start	1	End	2928
Name	OJ990528_11.9A03.C13.o1.gs	Method	GENSCAN
Start	143	End	958
GI	none	Score	.99
Exons	143..518, 840..958		

Seq. No.	35283	Seq. ID	OJ990528_11.9A03.C13
Gene No.	72982	Strand	-
Start	1	End	2928
Name	OJ990528_11.9A03.C13.o1.np	Method	AAT/NAP
Start	146	End	729
GI	5302795	Score	244
Exons	146..489, 523..729		
GI Descrip.	(Z97341) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35283	Seq. ID	OJ990528_11.9A03.C13
Gene No.	72982	Strand	-
Start	1	End	2928
Name	OJ990528_11.9A03.C13.o2.tm	Method	TBLASTX:Maize
Start	147	End	382
GI	none	Score	273
Exons	147..356, 149..382, 257..367		

Seq. No.	35283	Seq. ID	OJ990528_11.9A03.C13
Gene No.	72982	Strand	-
Start	1	End	2928
Name	OJ990528_11.9A03.C13.o1.tc	Method	TBLASTX:Cress
Start	152	End	385
GI	none	Score	89
Exons	152..385, 177..356		

Seq. No.	35283	Seq. ID	OJ990528_11.9A03.C13
Gene No.	72982	Strand	-
Start	1	End	2928
Name	OJ990528_11.9A03.C13.o2.ts	Method	TBLASTX:Soybean
Start	188	End	385
GI	none	Score	84
Exons	188..385, 195..356		

Seq. No.	35283	Seq. ID	OJ990528_11.9A03.C13
Gene No.	72982	Strand	-
Start	1	End	2928
Name	OJ990528_11.9A03.C13.o1.gp	Method	AAT/GAP
Start	283	End	783
GI	none	Score	935
Exons	283..783		

Seq. No.	35283	Seq. ID	OJ990528_11.9A03.C13
Gene No.	72983	Strand	
Start	3020	End	3297
Name	OJ990528_11.9A03.C13.o3.tm	Method	TBLASTX:Maize
Start	3020	End	3297
GI	none	Score	286
Exons	3020..3217, 3028..3225, 3202..3297, 3203..3262, 3229..3285		

Seq. No.	35283	Seq. ID	OJ990528_11.9A03.C13
Gene No.	72984	Strand	
Start	3984	End	4694
Name	OJ990528_11.9A03.C13.o1.tm	Method	TBLASTX:Maize
Start	3984	End	4614
GI	none	Score	67
Exons	3984..4037, 3991..4044, 3992..4072, 4147..4230, 4148..4228, 4148..4231, 4149..4229, 4162..4230, 4220..4279, 4221..4253, 4223..4309, 4329..4481, 4340..4480, 4342..4482, 4343..4483, 4485..4607, 4503..4610, 4504..4614, 4537..4614		

Seq. No.	35283	Seq. ID	OJ990528_11.9A03.C13
Gene No.	72984	Strand	
Start	3984	End	4694
Name	OJ990528_11.9A03.C13.o1.ts	Method	TBLASTX:Soybean
Start	4335	End	4694

GI	none	Score	324
Exons	4335..4694, 4346..4453, 4350..4598, 4502..4693		
Seq. No.	35284	Seq. ID	OJ990528_11.9A03.C17
Gene No.	72985	Strand	-
Start	549	End	676
Name	OJ990528_11.9A03.C17.o1.gs	Method	GENSCAN
Start	549	End	676
GI	none	Score	.66
Exons	549..676		
Seq. No.	35285	Seq. ID	OJ990528_11.9A03.C18
Gene No.	72986	Strand	+
Start	44	End	118
Name	OJ990528_11.9A03.C18.o1.gs	Method	GENSCAN
Start	44	End	118
GI	none	Score	.84
Exons	44..118		
Seq. No.	35286	Seq. ID	OJ990528_11.9A03.C20
Gene No.	72987	Strand	-
Start	90	End	725
Name	OJ990528_11.9A03.C20.o1.gs	Method	GENSCAN
Start	90	End	725
GI	none	Score	.65
Exons	90..725		
Seq. No.	35287	Seq. ID	OJ990528_11.9A03.C25
Gene No.	72988	Strand	+
Start	210	End	462
Name	OJ990528_11.9A03.C25.o1.gs	Method	GENSCAN
Start	210	End	462
GI	none	Score	.87
Exons	210..283, 387..462		
Seq. No.	35288	Seq. ID	OJ990528_11.9A03.C26
Gene No.	72989	Strand	-
Start	259	End	2048
Name	OJ990528_11.9A03.C26.o1.gs	Method	GENSCAN
Start	259	End	2048
GI	none	Score	.48
Exons	259..464, 653..854, 1821..1919, 1956..2048		
Seq. No.	35288	Seq. ID	OJ990528_11.9A03.C26
Gene No.	72989	Strand	-
Start	259	End	2048
Name	OJ990528_11.9A03.C26.o1.gp	Method	AAT/GAP
Start	322	End	975
GI	none	Score	884
Exons	322..464, 653..975		
Seq. No.	35289	Seq. ID	OJ990528_11.9A03.C27
Gene No.	72990	Strand	+
Start	46	End	546
Name	OJ990528_11.9A03.C27.o1.gp	Method	AAT/GAP
Start	46	End	546
GI	none	Score	995

Exons	46..546		
Seq. No.	35289	Seq. ID	OJ990528_11.9A03.C27
Gene No.	72991	Strand	-
Start	311	End	568
Name	OJ990528_11.9A03.C27.o1.gs	Method	GENSCAN
Start	311	End	568
GI	none	Score	.62
Exons	311..568		
Seq. No.	35290	Seq. ID	OJ990528_11.9A03.C29
Gene No.	72992	Strand	+
Start	1	End	618
Name	OJ990528_11.9A03.C29.o1.np	Method	AAT/NAP
Start	1	End	618
GI	2388565	Score	72
Exons	1..77, 584..618		
GI Descrip.	(AC000098) Similar to Prunus pectinesterase (gb\|X95991). [Arabidopsis thaliana]		
Seq. No.	35290	Seq. ID	OJ990528_11.9A03.C29
Gene No.	72993	Strand	-
Start	12	End	81
Name	OJ990528_11.9A03.C29.o1.gs	Method	GENSCAN
Start	12	End	81
GI	none	Score	.89
Exons	12..81		
Seq. No.	35291	Seq. ID	OJ990528_11.9A03.C30
Gene No.	72994	Strand	-
Start	449	End	751
Name	OJ990528_11.9A03.C30.o1.tm	Method	TBLASTX:Maize
Start	234	End	592
GI	none	Score	36
Exons	234..284, 386..508, 387..509, 489..590, 503..592		
Seq. No.	35291	Seq. ID	OJ990528_11.9A03.C30
Gene No.	72994	Strand	-
Start	449	End	751
Name	OJ990528_11.9A03.C30.o1.gs	Method	GENSCAN
Start	449	End	751
GI	none	Score	.95
Exons	449..751		
Seq. No.	35292	Seq. ID	OJ990528_11.9A03.C31
Gene No.	72995	Strand	-
Start	450	End	821
Name	OJ990528_11.9A03.C31.o1.gs	Method	GENSCAN
Start	450	End	650
GI	none	Score	.88
Exons	450..650		
Seq. No.	35292	Seq. ID	OJ990528_11.9A03.C31
Gene No.	72995	Strand	-
Start	450	End	821
Name	OJ990528_11.9A03.C31.o1.np	Method	AAT/NAP
Start	453	End	821

GI	5302795	Score	248
Exons	453..821		
GI Descrip.	(Z97341) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35292	Seq. ID	OJ990528_11.9A03.C31
Gene No.	72995	Strand	-
Start	450	End	821
Name	OJ990528_11.9A03.C31.o1.tm	Method	TBLASTX:Maize
Start	454	End	695
GI	none	Score	280
Exons	454..672, 456..689, 675..695		

Seq. No.	35292	Seq. ID	OJ990528_11.9A03.C31
Gene No.	72995	Strand	-
Start	450	End	821
Name	OJ990528_11.9A03.C31.o1.tc	Method	TBLASTX:Cress
Start	459	End	695
GI	none	Score	93
Exons	459..695, 484..666		

Seq. No.	35292	Seq. ID	OJ990528_11.9A03.C31
Gene No.	72995	Strand	-
Start	450	End	821
Name	OJ990528_11.9A03.C31.o1.ts	Method	TBLASTX:Soybean
Start	495	End	758
GI	none	Score	91
Exons	495..758, 502..672		

Seq. No.	35292	Seq. ID	OJ990528_11.9A03.C31
Gene No.	72995	Strand	-
Start	450	End	821
Name	OJ990528_11.9A03.C31.o1.gp	Method	AAT/GAP
Start	590	End	821
GI	none	Score	421
Exons	590..821		

Seq. No.	35293	Seq. ID	OJ990528_11.9A03.C33
Gene No.	72996	Strand	-
Start	580	End	765
Name	OJ990528_11.9A03.C33.o1.gs	Method	GENSCAN
Start	580	End	765
GI	none	Score	.87
Exons	580..765		

Seq. No.	35294	Seq. ID	OJ990528_11.9A03.C34
Gene No.	72997	Strand	+
Start	110	End	198
Name	OJ990528_11.9A03.C34.o1.gs	Method	GENSCAN
Start	110	End	198
GI	none	Score	.86
Exons	110..198		

Seq. No.	35295	Seq. ID	OJ990528_11.9A03.C35
Gene No.	72998	Strand	+
Start	17	End	415
Name	OJ990528_11.9A03.C35.o1.gs	Method	GENSCAN
Start	17	End	415

GI	none	Score	.76
Exons	17..42, 313..415		

Seq. No.	35296	Seq. ID	OJ990528_11.9A03.C36
Gene No.	72999	Strand	-
Start	1	End	834
Name	OJ990528_11.9A03.C36.o1.np	Method	AAT/NAP
Start	1	End	834
GI	6721517	Score	1133
Exons	1..300, 349..834		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	35296	Seq. ID	OJ990528_11.9A03.C36
Gene No.	72999	Strand	-
Start	1	End	834
Name	OJ990528_11.9A03.C36.o1.tw	Method	TBLASTX:Wheat
Start	37	End	381
GI	none	Score	84
Exons	37..291, 44..259, 337..381		

Seq. No.	35296	Seq. ID	OJ990528_11.9A03.C36
Gene No.	72999	Strand	-
Start	1	End	834
Name	OJ990528_11.9A03.C36.o1.gs	Method	GENSCAN
Start	99	End	768
GI	none	Score	.42
Exons	99..768		

Seq. No.	35296	Seq. ID	OJ990528_11.9A03.C36
Gene No.	72999	Strand	-
Start	1	End	834
Name	OJ990528_11.9A03.C36.o2.tw	Method	TBLASTX:Wheat
Start	577	End	834
GI	none	Score	89
Exons	577..657, 643..834, 731..832		

Seq. No.	35297	Seq. ID	OJ990528_11.9A03.C37
Gene No.	73000	Strand	+
Start	428	End	521
Name	OJ990528_11.9A03.C37.o1.gs	Method	GENSCAN
Start	428	End	521
GI	none	Score	.66
Exons	428..521		

Seq. No.	35298	Seq. ID	OJ990528_11.9A03.C38
Gene No.	73001	Strand	+
Start	1	End	1589
Name	OJ990528_11.9A03.C38.o1.np	Method	AAT/NAP
Start	1	End	609
GI	6721517	Score	930
Exons	1..609		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	35298	Seq. ID	OJ990528_11.9A03.C38
Gene No.	73001	Strand	+
Start	1	End	1589
Name	OJ990528_11.9A03.C38.o1.gs	Method	GENSCAN

Start	223	End	1589
GI	none	Score	.51
Exons	223..661, 1384..1589		

Seq. No.	35298	Seq. ID	OJ990528_11.9A03.C38
Gene No.	73001	Strand	+
Start	1	End	1589
Name	OJ990528_11.9A03.C38.o1.tw	Method	TBLASTX:Wheat
Start	249	End	611
GI	none	Score	430
Exons	249..611, 253..609		

Seq. No.	35298	Seq. ID	OJ990528_11.9A03.C38
Gene No.	73001	Strand	+
Start	1	End	1589
Name	OJ990528_11.9A03.C38.o1.tm	Method	TBLASTX:Maize
Start	270	End	554
GI	none	Score	314
Exons	270..335, 271..552, 361..552, 363..554		

Seq. No.	35298	Seq. ID	OJ990528_11.9A03.C38
Gene No.	73001	Strand	+
Start	1	End	1589
Name	OJ990528_11.9A03.C38.o1.ts	Method	TBLASTX:Soybean
Start	322	End	603
GI	none	Score	183
Exons	322..603, 405..602		

Seq. No.	35299	Seq. ID	OJ990528_11.9A03.C43
Gene No.	73002	Strand	+
Start	6267	End	6550
Name	OJ990528_11.9A03.C43.o1.gp	Method	AAT/GAP
Start	6267	End	6550
GI	828_1.R1084	Score	478
Exons	6267..6550		
GI Descrip.	'4539568/emb\|CAB38487.1\| 6.0e-19 (AL035636) putative helicase [Streptomyces coelicolor]'		

Seq. No.	35299	Seq. ID	OJ990528_11.9A03.C43
Gene No.	73003	Strand	+
Start	9569	End	17835
Name	OJ990528_11.9A03.C43.o4.gs	Method	GENSCAN
Start	9569	End	17835
GI	none	Score	.76
Exons	9569..9934, 10135..10698, 11028..11150, 11457..11588, 12573..12715, 13550..13625, 14166..14302, 14384..14543, 14625..14804, 14883..14999, 15264..15419, 16203..16315, 16393..16516, 16685..16780, 16863..16983, 17322..17513, 17735..17835		

Seq. No.	35299	Seq. ID	OJ990528_11.9A03.C43
Gene No.	73003	Strand	+
Start	9569	End	17835
Name	OJ990528_11.9A03.C43.o3.np	Method	AAT/NAP
Start	10975	End	16925
GI	2621563	Score	728
Exons	10975..11150, 11231..11380, 11457..11588, 11680..11759,		

	11896..11987, 12271..12332, 12567..12687, 13347..13446, 13550..13625, 14166..14302, 14384..14543, 14625..14782, 14888..14999, 15264..15412, 15950..16103, 16203..16315, 16393..16516, 16685..16780, 16863..16925		
GI Descrip.	(AE000833) ATP-dependent RNA helicase, eIF-4A family [Methanobacterium thermoautotrophicum]		

Seq. No.	35299	Seq. ID	OJ990528_11.9A03.C43
Gene No.	73003	Strand	+
Start	9569	End	17835
Name	OJ990528_11.9A03.C43.o2.gp	Method	AAT/GAP
Start	11444	End	12197
GI	3760269	Score	1218
Exons	11444..11588, 11680..12197		
GI Descrip.	4539568/emb\|CAB38487.1\| 6.0e-19 (AL035636) putative helicase [Streptomyces coelicolor]		

Seq. No.	35299	Seq. ID	OJ990528_11.9A03.C43
Gene No.	73003	Strand	+
Start	9569	End	17835
Name	OJ990528_11.9A03.C43.o3.gp	Method	AAT/GAP
Start	12499	End	13234
GI	3760270	Score	1396
Exons	12499..13234		

Seq. No.	35299	Seq. ID	OJ990528_11.9A03.C43
Gene No.	73003	Strand	+
Start	9569	End	17835
Name	OJ990528_11.9A03.C43.o4.np	Method	AAT/NAP
Start	12665	End	16966
GI	2105045	Score	296
Exons	12665..12691, 13337..13446, 13550..13625, 14166..14302, 14384..14543, 14625..14762, 14862..14999, 15264..15450, 15988..16103, 16203..16315, 16393..16516, 16678..16780, 16863..16966		
GI Descrip.	(Z95436) hypothetical protein Rv3649 [Mycobacterium tuberculosis]		

Seq. No.	35299	Seq. ID	OJ990528_11.9A03.C43
Gene No.	73004	Strand	+
Start	17812	End	21335
Name	OJ990528_11.9A03.C43.o5.np	Method	AAT/NAP
Start	17812	End	21335
GI	114521	Score	86
Exons	17812..17866, 19979..20073, 21298..21335		
GI Descrip.	ATP SYNTHASE ALPHA CHAIN gi\|67827\|pir\|\|PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast gi\|11979\|emb\|CAA33993\| (X15901) ATPase alpha subunit [Oryza sativa] gi\|226696\|prf\|\|1603356X ATPase alpha [Oryza sativa]		

Seq. No.	35299	Seq. ID	OJ990528_11.9A03.C43
Gene No.	73004	Strand	+
Start	17812	End	21335
Name	OJ990528_11.9A03.C43.o4.gp	Method	AAT/GAP
Start	19980	End	20073
GI	LIB3431-040-P1-K2-C1	Score	134
Exons	19980..20073		

GI Descrip.	'114521/sp\|P12084\|ATPA_ORYSA 6.0e-53 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]'		
Seq. No.	35299	Seq. ID	OJ990528_11.9A03.C43
Gene No.	73005	Strand	-
Start	3063	End	20287
Name	OJ990528_11.9A03.C43.o1.gs	Method	GENSCAN
Start	3063	End	6916
GI	none	Score	.66
Exons	3063..3609, 4185..4292, 4372..4671, 5850..6157, 6163..6227, 6544..6916		
Seq. No.	35299	Seq. ID	OJ990528_11.9A03.C43
Gene No.	73005	Strand	-
Start	3063	End	20287
Name	OJ990528_11.9A03.C43.o1.np	Method	AAT/NAP
Start	3066	End	7948
GI	4406767	Score	500
Exons	3066..3609, 7449..7948		
GI Descrip.	(AC006836) putative steroid sulfotransferase [Arabidopsis thaliana]		
Seq. No.	35299	Seq. ID	OJ990528_11.9A03.C43
Gene No.	73005	Strand	-
Start	3063	End	20287
Name	OJ990528_11.9A03.C43.o1.tc	Method	TBLASTX:Cress
Start	3081	End	3509
GI	none	Score	55
Exons	3081..3197, 3094..3180, 3229..3318, 3231..3317, 3327..3509, 3382..3414		
Seq. No.	35299	Seq. ID	OJ990528_11.9A03.C43
Gene No.	73005	Strand	-
Start	3063	End	20287
Name	OJ990528_11.9A03.C43.o2.np	Method	AAT/NAP
Start	5815	End	20287
GI	81286	Score	149
Exons	5815..5961, 6638..6725, 6783..6834, 7639..7730, 7918..8033, 9729..9838, 20184..20287		
GI Descrip.	extensin - Volvox carteri (fragment) gi\|21992\|emb\|CAA46283\| (X65165) extensin [Volvox carteri]		
Seq. No.	35299	Seq. ID	OJ990528_11.9A03.C43
Gene No.	73005	Strand	-
Start	3063	End	20287
Name	OJ990528_11.9A03.C43.o2.gs	Method	GENSCAN
Start	7097	End	7979
GI	none	Score	.8
Exons	7097..7244, 7449..7699, 7722..7979		
Seq. No.	35299	Seq. ID	OJ990528_11.9A03.C43
Gene No.	73005	Strand	-
Start	3063	End	20287
Name	OJ990528_11.9A03.C43.o1.tm	Method	TBLASTX:Maize

Start	7601	End	7965
GI	none	Score	44
Exons	7601..7645, 7601..7657, 7649..7798, 7650..7796, 7860..7898, 7860..7964, 7936..7965		

Seq. No.	35299	Seq. ID	OJ990528_11.9A03.C43
Gene No.	73005	Strand	-
Start	3063	End	20287
Name	OJ990528_11.9A03.C43.o3.gs	Method	GENSCAN
Start	8638	End	9005
GI	none	Score	.78
Exons	8638..8755, 8779..9005		

Seq. No.	35299	Seq. ID	OJ990528_11.9A03.C43
Gene No.	73005	Strand	-
Start	3063	End	20287
Name	OJ990528_11.9A03.C43.o1.ts	Method	TBLASTX:Soybean
Start	13560	End	14564
GI	none	Score	71
Exons	13560..13625, 14163..14300, 14164..14298, 14165..14302, 14375..14563, 14382..14564		

Seq. No.	35299	Seq. ID	OJ990528_11.9A03.C43
Gene No.	73005	Strand	-
Start	3063	End	20287
Name	OJ990528_11.9A03.C43.o2.tm	Method	TBLASTX:Maize
Start	14948	End	16226
GI	none	Score	82
Exons	14948..15001, 14949..15002, 15257..15418, 15259..15420, 15264..15419, 15932..16102, 15933..16103, 15933..16106, 15934..16104, 16200..16226, 16203..16226		

Seq. No.	35299	Seq. ID	OJ990528_11.9A03.C43
Gene No.	73005	Strand	-
Start	3063	End	20287
Name	OJ990528_11.9A03.C43.o1.tw	Method	TBLASTX:Wheat
Start	16014	End	16780
GI	none	Score	102
Exons	16014..16103, 16016..16090, 16195..16272, 16202..16315, 16202..16315, 16203..16316, 16386..16505, 16393..16518, 16393..16518, 16394..16528, 16685..16780, 16729..16779		

Seq. No.	35300	Seq. ID	OJ990528_11.9A03.C44
Gene No.	73006	Strand	-
Start	1235	End	1796
Name	OJ990528_11.9A03.C44.o1.gs	Method	GENSCAN
Start	1235	End	1789
GI	none	Score	.99
Exons	1235..1789		

Seq. No.	35300	Seq. ID	OJ990528_11.9A03.C44
Gene No.	73006	Strand	-
Start	1235	End	1796
Name	OJ990528_11.9A03.C44.o1.np	Method	AAT/NAP
Start	1271	End	1789
GI	2244810	Score	526
Exons	1271..1339, 1370..1789		

GI Descrip. (Z97336) CCAAT-binding transcription factor subunit A(CBF-A) [Arabidopsis thaliana]

Seq. No.	35300	Seq. ID	OJ990528_11.9A03.C44
Gene No.	73006	Strand	-
Start	1235	End	1796
Name	OJ990528_11.9A03.C44.o1.tm	Method	TBLASTX:Maize
Start	1436	End	1793
GI	none	Score	281
Exons	1436..1777, 1515..1766, 1734..1793, 1745..1792		

Seq. No.	35300	Seq. ID	OJ990528_11.9A03.C44
Gene No.	73006	Strand	-
Start	1235	End	1796
Name	OJ990528_11.9A03.C44.o1.tc	Method	TBLASTX:Cress
Start	1442	End	1793
GI	none	Score	252
Exons	1442..1771, 1515..1736, 1761..1793		

Seq. No.	35300	Seq. ID	OJ990528_11.9A03.C44
Gene No.	73006	Strand	-
Start	1235	End	1796
Name	OJ990528_11.9A03.C44.o1.ts	Method	TBLASTX:Soybean
Start	1442	End	1796
GI	none	Score	289
Exons	1442..1783, 1515..1730, 1761..1796		

Seq. No.	35300	Seq. ID	OJ990528_11.9A03.C44
Gene No.	73006	Strand	-
Start	1235	End	1796
Name	OJ990528_11.9A03.C44.o1.tw	Method	TBLASTX:Wheat
Start	1454	End	1745
GI	none	Score	242
Exons	1454..1729, 1515..1730, 1674..1745		

Seq. No.	35301	Seq. ID	OJ990528_11.9A03.C46
Gene No.	73007	Strand	-
Start	98	End	350
Name	OJ990528_11.9A03.C46.o1.gs	Method	GENSCAN
Start	98	End	350
GI	none	Score	.85
Exons	98..173, 277..350		

Seq. No.	35301	Seq. ID	OJ990528_11.9A03.C46
Gene No.	73008	Strand	-
Start	489	End	659
Name	OJ990528_11.9A03.C46.o1.gp	Method	AAT/GAP
Start	489	End	659
GI	3760270	Score	278
Exons	489..659		

Seq. No.	35302	Seq. ID	OJ990528_11.9A03.C49
Gene No.	73009	Strand	-
Start	251	End	392
Name	OJ990528_11.9A03.C49.o1.gs	Method	GENSCAN
Start	251	End	392
GI	none	Score	.81

Exons	251..392		
Seq. No.	35303	Seq. ID	OJ990528_11.9A03.C51
Gene No.	73010	Strand	-
Start	408	End	833
Name	OJ990528_11.9A03.C51.o1.gs	Method	GENSCAN
Start	408	End	833
GI	none	Score	.78
Exons	408..547, 707..833		
Seq. No.	35304	Seq. ID	OJ990528_11.9A03.C52
Gene No.	73011	Strand	+
Start	205	End	841
Name	OJ990528_11.9A03.C52.o1.gs	Method	GENSCAN
Start	205	End	841
GI	none	Score	.58
Exons	205..257, 813..841		
Seq. No.	35304	Seq. ID	OJ990528_11.9A03.C52
Gene No.	73012	Strand	-
Start	1	End	412
Name	OJ990528_11.9A03.C52.o1.np	Method	AAT/NAP
Start	1	End	412
GI	2656007	Score	80
Exons	1..227, 308..412		
GI Descrip.	(Z99126) DEAD/DEAH box helicase [Schizosaccharomyces pombe]		
Seq. No.	35305	Seq. ID	OJ990528_11.9A03.C53
Gene No.	73013	Strand	+
Start	471	End	642
Name	OJ990528_11.9A03.C53.o1.gs	Method	GENSCAN
Start	471	End	642
GI	none	Score	.46
Exons	471..642		
Seq. No.	35305	Seq. ID	OJ990528_11.9A03.C53
Gene No.	73014	Strand	-
Start	1	End	716
Name	OJ990528_11.9A03.C53.o1.np	Method	AAT/NAP
Start	1	End	716
GI	4415915	Score	159
Exons	1..59, 475..716		
GI Descrip.	(AC006282) putative pectinesterase [Arabidopsis thaliana]		
Seq. No.	35305	Seq. ID	OJ990528_11.9A03.C53
Gene No.	73014	Strand	-
Start	1	End	716
Name	OJ990528_11.9A03.C53.o1.tm	Method	TBLASTX:Maize
Start	467	End	703
GI	none	Score	245
Exons	467..703, 472..684		
Seq. No.	35305	Seq. ID	OJ990528_11.9A03.C53
Gene No.	73014	Strand	-
Start	1	End	716
Name	OJ990528_11.9A03.C53.o1.tc	Method	TBLASTX:Cress
Start	475	End	705

GI	none	Score	66
Exons	475..705, 479..583		

Seq. No.	35305	Seq. ID	OJ990528_11.9A03.C53
Gene No.	73014	Strand	-
Start	1	End	716
Name	OJ990528_11.9A03.C53.o1.ts	Method	TBLASTX:Soybean
Start	475	End	705
GI	none	Score	136
Exons	475..705, 482..682		

Seq. No.	35305	Seq. ID	OJ990528_11.9A03.C53
Gene No.	73014	Strand	-
Start	1	End	716
Name	OJ990528_11.9A03.C53.o1.tw	Method	TBLASTX:Wheat
Start	475	End	706
GI	none	Score	133
Exons	475..693, 479..706		

Seq. No.	35306	Seq. ID	OJ990528_11.9A03.C55
Gene No.	73015	Strand	+
Start	388	End	751
Name	OJ990528_11.9A03.C55.o1.gs	Method	GENSCAN
Start	388	End	751
GI	none	Score	.47
Exons	388..751		

Seq. No.	35307	Seq. ID	OJ990528_11.9A03.C56
Gene No.	73016	Strand	-
Start	1	End	975
Name	OJ990528_11.9A03.C56.o1.np	Method	AAT/NAP
Start	1	End	975
GI	5734720	Score	159
Exons	1..66, 284..513, 698..975		
GI Descrip.	(AC008075) Contains PF\|01426 BAH (bromo-adjacent homology) domain. ESTs gb\|N96349, gb\|T42710, gb\|H77084, gb\|AA395147 and gb\|AA605500 come from this gene. [Arabidopsis thaliana]		

Seq. No.	35307	Seq. ID	OJ990528_11.9A03.C56
Gene No.	73016	Strand	-
Start	1	End	975
Name	OJ990528_11.9A03.C56.o1.gp	Method	AAT/GAP
Start	289	End	543
GI	10978_1.R1084	Score	402
Exons	289..543		
GI Descrip.	'5734720/gb\|AAD49985.1\|AC008075_18 2.0e-10 (AC008075) Contains PF_01426 BAH (bromo-adjacent homology) domain. ESTs gb_N96349, gb_T42710, gb_H77084, gb_AA395147 and gb_AA605500 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	35307	Seq. ID	OJ990528_11.9A03.C56
Gene No.	73016	Strand	-
Start	1	End	975
Name	OJ990528_11.9A03.C56.o1.gs	Method	GENSCAN
Start	289	End	837
GI	none	Score	.53
Exons	289..511, 699..837		

Seq. No.	35308	Seq. ID	OJ990528_11.9A03.C57
Gene No.	73017	Strand	-
Start	509	End	641
Name	OJ990528_11.9A03.C57.o1.gs	Method	GENSCAN
Start	509	End	641
GI	none	Score	.41
Exons	509..641		

Seq. No.	35309	Seq. ID	OJ990528_11.9A03.C60
Gene No.	73018	Strand	-
Start	47	End	993
Name	OJ990528_11.9A03.C60.o1.gs	Method	GENSCAN
Start	47	End	993
GI	none	Score	.83
Exons	47..152, 200..318, 389..677, 718..858, 953..993		

Seq. No.	35310	Seq. ID	OJ990528_11.9A03.C61
Gene No.	73019	Strand	+
Start	165	End	708
Name	OJ990528_11.9A03.C61.o1.np	Method	AAT/NAP
Start	165	End	708
GI	6539588	Score	198
Exons	165..461, 628..708		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	35310	Seq. ID	OJ990528_11.9A03.C61
Gene No.	73019	Strand	+
Start	165	End	708
Name	OJ990528_11.9A03.C61.o1.gs	Method	GENSCAN
Start	285	End	415
GI	none	Score	.87
Exons	285..415		

Seq. No.	35311	Seq. ID	OJ990528_11.9A03.C63
Gene No.	73020	Strand	+
Start	1	End	739
Name	OJ990528_11.9A03.C63.o1.np	Method	AAT/NAP
Start	1	End	739
GI	6016874	Score	365
Exons	1..258, 673..739		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	35311	Seq. ID	OJ990528_11.9A03.C63
Gene No.	73020	Strand	+
Start	1	End	739
Name	OJ990528_11.9A03.C63.o1.gs	Method	GENSCAN
Start	85	End	262
GI	none	Score	.96
Exons	85..262		

Seq. No.	35312	Seq. ID	OJ990528_11.9A03.C64
Gene No.	73021	Strand	-
Start	1	End	676
Name	OJ990528_11.9A03.C64.o1.np	Method	AAT/NAP

Start	1	End	676
GI	5295955	Score	170
Exons	1..282, 397..676		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	35312	Seq. ID	OJ990528_11.9A03.C64
Gene No.	73021	Strand	-
Start	1	End	676
Name	OJ990528_11.9A03.C64.o1.gs	Method	GENSCAN
Start	178	End	230
GI	none	Score	.96
Exons	178..230		

Seq. No.	35313	Seq. ID	OJ990528_11.9A03.C65
Gene No.	73022	Strand	+
Start	302	End	502
Name	OJ990528_11.9A03.C65.o1.gs	Method	GENSCAN
Start	302	End	502
GI	none	Score	.56
Exons	302..502		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73023	Strand	+
Start	3023	End	4553
Name	OJ990528_11.9A03.C67.o2.gs	Method	GENSCAN
Start	3023	End	4553
GI	none	Score	.8
Exons	3023..3059, 4006..4167, 4432..4553		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73023	Strand	+
Start	3023	End	4553
Name	OJ990528_11.9A03.C67.o2.np	Method	AAT/NAP
Start	4293	End	4541
GI	6907084	Score	128
Exons	4293..4363, 4438..4541		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73024	Strand	+
Start	4940	End	9313
Name	OJ990528_11.9A03.C67.o3.gs	Method	GENSCAN
Start	4940	End	7114
GI	none	Score	.72
Exons	4940..5536, 5927..6086, 6480..7114		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73024	Strand	+
Start	4940	End	9313
Name	OJ990528_11.9A03.C67.o3.np	Method	AAT/NAP
Start	4940	End	9313
GI	6016874	Score	2182
Exons	4940..5018, 5102..5239, 5304..5536, 5927..6086, 6480..6659, 6771..7112, 7590..7855, 9245..9313		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9		

transposase. (P03010) [Oryza sativa]

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73024	Strand	+
Start	4940	End	9313
Name	OJ990528_11.9A03.C67.o4.gp	Method	AAT/GAP
Start	5629	End	6137
GI	uC-osflcyp110c07b1	Score	958
Exons	5629..6137		
GI Descrip.	'4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73025	Strand	-
Start	1425	End	2644
Name	OJ990528_11.9A03.C67.o1.gp	Method	AAT/GAP
Start	1203	End	1967
GI	92272_1.R1084	Score	1299
Exons	1203..1967		
GI Descrip.	'5091516/dbj\|BAA78751.1\| 2.0e-59 (AB023482) ESTs C72761(E2193),AU056875(S20945), AU056876(S20945) correspond to a region of the predicted gene.; Similar to Thermus thermophilus gene for homocitrate synthase, homoaconitate hydratase, and ORF,complete and part'		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73025	Strand	-
Start	1425	End	2644
Name	OJ990528_11.9A03.C67.o1.gs	Method	GENSCAN
Start	1425	End	2500
GI	none	Score	.99
Exons	1425..2288, 2465..2500		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73025	Strand	-
Start	1425	End	2644
Name	OJ990528_11.9A03.C67.o1.np	Method	AAT/NAP
Start	1428	End	2500
GI	5091516	Score	1426
Exons	1428..2288, 2465..2500		
GI Descrip.	(AB023482) ESTs C72761(E2193),AU056875(S20945), AU056876(S20945) correspond to a region of the predicted gene.; Similar to Thermus thermophilus gene for homocitrate synthase, homoaconitate hydratase, and ORF,complete and part...		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73025	Strand	-
Start	1425	End	2644
Name	OJ990528_11.9A03.C67.o2.gp	Method	AAT/GAP
Start	2015	End	2644
GI	2428298	Score	845
Exons	2015..2288, 2465..2644		
GI Descrip.	5091516/dbj\|BAA78751.1\| 3.0e-32 (AB023482) ESTs C72761(E2193),AU056875(S20945), AU056876(S20945) correspond to a region of the predicted gene.; Similar to Thermus thermophilus gene for homocitrate synthase, homoaconitate hydratase, and		

ORF,complete and part

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73026	Strand	-
Start	3731	End	4201
Name	OJ990528_11.9A03.C67.o3.gp	Method	AAT/GAP
Start	3731	End	4201
GI	uC-osflcyp154b05b1	Score	877
Exons	3731..4201		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 4.0e-23 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73027	Strand	-
Start	7611	End	7754
Name	OJ990528_11.9A03.C67.o3.tm	Method	TBLASTX:Maize
Start	1401	End	1680
GI	none	Score	343
Exons	1401..1679, 1423..1680		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73027	Strand	-
Start	7611	End	7754
Name	OJ990528_11.9A03.C67.o2.tc	Method	TBLASTX:Cress
Start	1443	End	1683
GI	none	Score	66
Exons	1443..1682, 1470..1664, 1477..1683		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73027	Strand	-
Start	7611	End	7754
Name	OJ990528_11.9A03.C67.o1.ts	Method	TBLASTX:Soybean
Start	1695	End	2012
GI	none	Score	75
Exons	1695..2012, 1759..1899, 1955..1993		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73027	Strand	-
Start	7611	End	7754
Name	OJ990528_11.9A03.C67.o1.tm	Method	TBLASTX:Maize
Start	1732	End	2288
GI	none	Score	113
Exons	1732..1887, 1733..1852, 1736..2218, 1737..1955, 1737..2288, 1928..2218, 1978..2286		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73027	Strand	-
Start	7611	End	7754
Name	OJ990528_11.9A03.C67.o1.tc	Method	TBLASTX:Cress
Start	1953	End	2252
GI	none	Score	64
Exons	1953..2111, 1987..2109, 2118..2252		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73027	Strand	-
Start	7611	End	7754
Name	OJ990528_11.9A03.C67.o4.tm	Method	TBLASTX:Maize

Start	5288	End	5734
GI	none	Score	69
Exons	5288..5374, 5359..5568, 5360..5608, 5645..5701, 5696..5734		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73027	Strand	-
Start	7611	End	7754
Name	OJ990528_11.9A03.C67.o6.tm	Method	TBLASTX:Maize
Start	5828	End	6142
GI	none	Score	61
Exons	5828..5902, 5915..6142, 5923..6141		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73027	Strand	-
Start	7611	End	7754
Name	OJ990528_11.9A03.C67.o7.tm	Method	TBLASTX:Maize
Start	6347	End	6729
GI	none	Score	241
Exons	6347..6628, 6358..6729		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73027	Strand	-
Start	7611	End	7754
Name	OJ990528_11.9A03.C67.o5.tm	Method	TBLASTX:Maize
Start	6805	End	7048
GI	none	Score	275
Exons	6805..6963, 6815..7048		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73027	Strand	-
Start	7611	End	7754
Name	OJ990528_11.9A03.C67.o2.ts	Method	TBLASTX:Soybean
Start	6817	End	7018
GI	none	Score	182
Exons	6817..6933, 6818..7018		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73027	Strand	-
Start	7611	End	7754
Name	OJ990528_11.9A03.C67.o4.gs	Method	GENSCAN
Start	7611	End	7754
GI	none	Score	.53
Exons	7611..7754		

Seq. No.	35314	Seq. ID	OJ990528_11.9A03.C67
Gene No.	73028	Strand	
Start	8747	End	9268
Name	OJ990528_11.9A03.C67.o2.tm	Method	TBLASTX:Maize
Start	8747	End	9268
GI	none	Score	235
Exons	8747..9028, 8751..9002, 9047..9268, 9050..9262		

Seq. No.	35315	Seq. ID	OJ990528_11.9A03.C68
Gene No.	73029	Strand	+
Start	755	End	2928
Name	OJ990528_11.9A03.C68.o1.gs	Method	GENSCAN
Start	755	End	2928

GI	none	Score	.5
Exons	755..1027, 1069..1158, 1707..1882, 2880..2928		

Seq. No.	35315	Seq. ID	OJ990528_11.9A03.C68
Gene No.	73029	Strand	+
Start	755	End	2928
Name	OJ990528_11.9A03.C68.o1.np	Method	AAT/NAP
Start	767	End	1928
GI	2464914	Score	276
Exons	767..1027, 1707..1928		
GI Descrip.	(Z99708) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35315	Seq. ID	OJ990528_11.9A03.C68
Gene No.	73030	Strand	+
Start	4156	End	7696
Name	OJ990528_11.9A03.C68.o2.np	Method	AAT/NAP
Start	4156	End	7694
GI	4567229	Score	475
Exons	4156..4198, 4657..4768, 5114..5230, 5387..5514, 5661..5883, 6891..7126, 7496..7694		
GI Descrip.	(AC007119) putative pectinesterase [Arabidopsis thaliana]		

Seq. No.	35315	Seq. ID	OJ990528_11.9A03.C68
Gene No.	73030	Strand	+
Start	4156	End	7696
Name	OJ990528_11.9A03.C68.o3.gs	Method	GENSCAN
Start	4893	End	7643
GI	none	Score	.99
Exons	4893..5230, 5387..5576, 5677..5883, 6891..7107, 7432..7643		

Seq. No.	35315	Seq. ID	OJ990528_11.9A03.C68
Gene No.	73030	Strand	+
Start	4156	End	7696
Name	OJ990528_11.9A03.C68.o1.gp	Method	AAT/GAP
Start	7373	End	7696
GI	none	Score	519
Exons	7373..7696		

Seq. No.	35315	Seq. ID	OJ990528_11.9A03.C68
Gene No.	73031	Strand	-
Start	3766	End	4756
Name	OJ990528_11.9A03.C68.o1.tm	Method	TBLASTX:Maize
Start	61	End	482
GI	none	Score	136
Exons	61..216, 61..240, 66..230, 66..242, 261..482, 264..476		

Seq. No.	35315	Seq. ID	OJ990528_11.9A03.C68
Gene No.	73031	Strand	-
Start	3766	End	4756
Name	OJ990528_11.9A03.C68.o2.tm	Method	TBLASTX:Maize
Start	688	End	1931
GI	none	Score	36
Exons	688..717, 800..835, 845..886, 871..963, 878..964, 959..988, 1707..1763, 1708..1770, 1740..1766, 1770..1922, 1770..1931		

Seq. No.	35315	Seq. ID	OJ990528_11.9A03.C68
Gene No.	73031	Strand	-

Start	3766	End	4756
Name	OJ990528_11.9A03.C68.o2.gs	Method	GENSCAN
Start	3766	End	4756
GI	none	Score	.73
Exons	3766..3797, 3836..3998, 4673..4756		

Seq. No.	35315	Seq. ID	OJ990528_11.9A03.C68
Gene No.	73032	Strand	
Start	5727	End	7121
Name	OJ990528_11.9A03.C68.o3.tm	Method	TBLASTX:Maize
Start	5727	End	7121
GI	none	Score	168
Exons	5727..5876, 5728..5883, 6879..7121, 6893..6937, 6959..7111		

Seq. No.	35316	Seq. ID	OJ990528_11.9A03.C69
Gene No.	73033	Strand	-
Start	491	End	2702
Name	OJ990528_11.9A03.C69.o3.tm	Method	TBLASTX:Maize
Start	279	End	634
GI	none	Score	35
Exons	279..326, 428..550, 429..551, 531..632, 545..634		

Seq. No.	35316	Seq. ID	OJ990528_11.9A03.C69
Gene No.	73033	Strand	-
Start	491	End	2702
Name	OJ990528_11.9A03.C69.o1.gs	Method	GENSCAN
Start	491	End	2634
GI	none	Score	.98
Exons	491..885, 1262..1484, 1672..2466, 2554..2634		

Seq. No.	35316	Seq. ID	OJ990528_11.9A03.C69
Gene No.	73033	Strand	-
Start	491	End	2702
Name	OJ990528_11.9A03.C69.o1.gp	Method	AAT/GAP
Start	500	End	1711
GI	10978_1.R1084	Score	1181
Exons	500..885, 1262..1484, 1672..1711		
GI Descrip.	'5734720/gb\|AAD49985.1\|AC008075_18 2.0e-10 (AC008075) Contains PF_01426 BAH (bromo-adjacent homology) domain. ESTs gb_N96349, gb_T42710, gb_H77084, gb_AA395147 and gb_AA605500 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	35316	Seq. ID	OJ990528_11.9A03.C69
Gene No.	73033	Strand	-
Start	491	End	2702
Name	OJ990528_11.9A03.C69.o2.tm	Method	TBLASTX:Maize
Start	649	End	1364
GI	none	Score	72
Exons	649..732, 653..733, 654..734, 663..734, 727..888, 731..892, 738..893, 740..904, 741..893, 1245..1352, 1261..1362, 1262..1348, 1269..1364		

Seq. No.	35316	Seq. ID	OJ990528_11.9A03.C69
Gene No.	73033	Strand	-
Start	491	End	2702
Name	OJ990528_11.9A03.C69.o1.np	Method	AAT/NAP
Start	766	End	2702

GI	5734720	Score	380
Exons	766..885, 1262..1484, 1672..2441, 2598..2702		
GI Descrip.	(AC008075) Contains PF\|01426 BAH (bromo-adjacent homology) domain. ESTs gb\|N96349, gb\|T42710, gb\|H77084, gb\|AA395147 and gb\|AA605500 come from this gene. [Arabidopsis thaliana]		

Seq. No.	35316	Seq. ID	OJ990528_11.9A03.C69
Gene No.	73033	Strand	-
Start	491	End	2702
Name	OJ990528_11.9A03.C69.o1.ts	Method	TBLASTX:Soybean
Start	1437	End	2472
GI	none	Score	67
Exons	1437..1493, 1655..1726, 1672..1728, 1720..1950, 1754..1825, 2050..2472, 2108..2305, 2209..2457, 2354..2461		

Seq. No.	35316	Seq. ID	OJ990528_11.9A03.C69
Gene No.	73033	Strand	-
Start	491	End	2702
Name	OJ990528_11.9A03.C69.o1.tm	Method	TBLASTX:Maize
Start	2193	End	2662
GI	none	Score	81
Exons	2193..2270, 2193..2303, 2197..2304, 2200..2322, 2324..2464, 2325..2465, 2326..2478, 2327..2467, 2498..2584, 2528..2587, 2554..2586, 2576..2659, 2577..2660, 2577..2645, 2578..2658, 2579..2662		

Seq. No.	35317	Seq. ID	OJ990528_11.9A03.C71
Gene No.	73034	Strand	+
Start	1	End	236
Name	OJ990528_11.9A03.C71.o1.gp	Method	AAT/GAP
Start	1	End	236
GI	3760270	Score	389
Exons	1..236		

Seq. No.	35318	Seq. ID	OJ990428_11.9A05.C3
Gene No.	73035	Strand	-
Start	522	End	619
Name	OJ990428_11.9A05.C3.o1.gs	Method	GENSCAN
Start	522	End	619
GI	none	Score	.8
Exons	522..619		

Seq. No.	35319	Seq. ID	OJ990428_11.9A05.C6
Gene No.	73036	Strand	+
Start	1	End	506
Name	OJ990428_11.9A05.C6.o1.np	Method	AAT/NAP
Start	1	End	506
GI	6862923	Score	121
Exons	1..506		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	35319	Seq. ID	OJ990428_11.9A05.C6
Gene No.	73036	Strand	+
Start	1	End	506
Name	OJ990428_11.9A05.C6.o1.gs	Method	GENSCAN
Start	75	End	496
GI	none	Score	.99

Exons	75..496		
Seq. No.	35320	Seq. ID	OJ990428_11.9A05.C7
Gene No.	73037	Strand	+
Start	249	End	648
Name	OJ990428_11.9A05.C7.o1.gs	Method	GENSCAN
Start	249	End	648
GI	none	Score	.88
Exons	249..333, 524..648		
Seq. No.	35321	Seq. ID	OJ990428_11.9A05.C9
Gene No.	73038	Strand	-
Start	1	End	604
Name	OJ990428_11.9A05.C9.o1.np	Method	AAT/NAP
Start	1	End	604
GI	4680501	Score	272
Exons	1..604		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		
Seq. No.	35321	Seq. ID	OJ990428_11.9A05.C9
Gene No.	73038	Strand	-
Start	1	End	604
Name	OJ990428_11.9A05.C9.o1.tm	Method	TBLASTX:Maize
Start	7	End	447
GI	none	Score	45
Exons	7..216, 266..343, 268..342, 365..442, 376..447		
Seq. No.	35321	Seq. ID	OJ990428_11.9A05.C9
Gene No.	73038	Strand	-
Start	1	End	604
Name	OJ990428_11.9A05.C9.o1.ts	Method	TBLASTX:Soybean
Start	7	End	447
GI	none	Score	57
Exons	7..234, 268..339, 365..442, 376..447		
Seq. No.	35321	Seq. ID	OJ990428_11.9A05.C9
Gene No.	73038	Strand	-
Start	1	End	604
Name	OJ990428_11.9A05.C9.o1.gs	Method	GENSCAN
Start	12	End	490
GI	none	Score	.71
Exons	12..490		
Seq. No.	35322	Seq. ID	OJ990428_11.9A05.C10
Gene No.	73039	Strand	+
Start	1	End	461
Name	OJ990428_11.9A05.C10.o1.np	Method	AAT/NAP
Start	1	End	461
GI	4185143	Score	58
Exons	1..67, 315..461		
GI Descrip.	(AC005724) putative signal recognition particle receptor beta subunit [Arabidopsis thaliana]		
Seq. No.	35322	Seq. ID	OJ990428_11.9A05.C10
Gene No.	73039	Strand	+
Start	1	End	461
Name	OJ990428_11.9A05.C10.o1.gs	Method	GENSCAN

Start	317	End	403
GI	none	Score	.98
Exons	317..403		

Seq. No.	35323	Seq. ID	OJ990428_11.9A05.C12
Gene No.	73040	Strand	+
Start	5281	End	5928
Name	OJ990428_11.9A05.C12.o2.gp	Method	AAT/GAP
Start	5281	End	5928
GI	5607582	Score	782
Exons	5281..5634, 5853..5928		

Seq. No.	35323	Seq. ID	OJ990428_11.9A05.C12
Gene No.	73041	Strand	+
Start	8287	End	9287
Name	OJ990428_11.9A05.C12.o3.gs	Method	GENSCAN
Start	8287	End	9287
GI	none	Score	.73
Exons	8287..8331, 9120..9287		

Seq. No.	35323	Seq. ID	OJ990428_11.9A05.C12
Gene No.	73042	Strand	+
Start	11578	End	13922
Name	OJ990428_11.9A05.C12.o4.gs	Method	GENSCAN
Start	11578	End	13922
GI	none	Score	.63
Exons	11578..11698, 11835..11923, 12213..12308, 12516..12801, 13861..13922		

Seq. No.	35323	Seq. ID	OJ990428_11.9A05.C12
Gene No.	73043	Strand	-
Start	1	End	3766
Name	OJ990428_11.9A05.C12.o1.gp	Method	AAT/GAP
Start	1	End	1988
GI	927_3.R1084	Score	721
Exons	1..22, 272..364, 487..668, 1734..1825, 1952..1988		
GI Descrip.	'5816996/emb\|CAB53651.1\| 8.0e-56 (AL110123) ribosomal protein L32-like protein [Arabidopsis thaliana]'		

Seq. No.	35323	Seq. ID	OJ990428_11.9A05.C12
Gene No.	73043	Strand	-
Start	1	End	3766
Name	OJ990428_11.9A05.C12.o1.np	Method	AAT/NAP
Start	238	End	1823
GI	5816996	Score	483
Exons	238..364, 487..668, 1734..1823		
GI Descrip.	(AL110123) ribosomal protein L32-like protein [Arabidopsis thaliana]		

Seq. No.	35323	Seq. ID	OJ990428_11.9A05.C12
Gene No.	73043	Strand	-
Start	1	End	3766
Name	OJ990428_11.9A05.C12.o1.gs	Method	GENSCAN
Start	280	End	3766
GI	none	Score	.89
Exons	280..364, 487..668, 1734..1858, 1952..2096, 2318..2462, 2643..2722, 3680..3766		

Seq. No.	35323	Seq. ID	OJ990428_11.9A05.C12
Gene No.	73044	Strand	-
Start	5499	End	6370
Name	OJ990428_11.9A05.C12.o2.gs	Method	GENSCAN
Start	5499	End	6290
GI	none	Score	.82
Exons	5499..6290		

Seq. No.	35323	Seq. ID	OJ990428_11.9A05.C12
Gene No.	73044	Strand	-
Start	5499	End	6370
Name	OJ990428_11.9A05.C12.o2.np	Method	AAT/NAP
Start	5526	End	6290
GI	6041839	Score	388
Exons	5526..6290		
GI Descrip.	(AC009853) unknown protein [Arabidopsis thaliana]		

Seq. No.	35323	Seq. ID	OJ990428_11.9A05.C12
Gene No.	73044	Strand	-
Start	5499	End	6370
Name	OJ990428_11.9A05.C12.o3.gp	Method	AAT/GAP
Start	6125	End	6370
GI	none	Score	449
Exons	6125..6370		

Seq. No.	35323	Seq. ID	OJ990428_11.9A05.C12
Gene No.	73045	Strand	-
Start	14499	End	14743
Name	OJ990428_11.9A05.C12.o1.tc	Method	TBLASTX:Cress
Start	272	End	1830
GI	none	Score	84
Exons	272..367, 274..369, 274..369, 486..674, 486..680, 487..675, 1750..1830		

Seq. No.	35323	Seq. ID	OJ990428_11.9A05.C12
Gene No.	73045	Strand	-
Start	14499	End	14743
Name	OJ990428_11.9A05.C12.o1.tm	Method	TBLASTX:Maize
Start	272	End	1836
GI	none	Score	132
Exons	272..367, 274..369, 274..369, 485..694, 486..707, 487..669, 588..695, 1734..1835, 1735..1836		

Seq. No.	35323	Seq. ID	OJ990428_11.9A05.C12
Gene No.	73045	Strand	-
Start	14499	End	14743
Name	OJ990428_11.9A05.C12.o1.tw	Method	TBLASTX:Wheat
Start	273	End	1829
GI	none	Score	144
Exons	273..368, 274..369, 274..369, 485..670, 485..526, 486..707, 591..674, 1729..1827, 1734..1829		

Seq. No.	35323	Seq. ID	OJ990428_11.9A05.C12
Gene No.	73045	Strand	-
Start	14499	End	14743
Name	OJ990428_11.9A05.C12.o1.ts	Method	TBLASTX:Soybean

Start	274	End	1824
GI	none	Score	188
Exons	274..369, 481..669, 482..670, 482..673, 486..680, 487..681, 1750..1824		

Seq. No.	35323	Seq. ID	OJ990428_11.9A05.C12
Gene No.	73045	Strand	-
Start	14499	End	14743
Name	OJ990428_11.9A05.C12.o2.tc	Method	TBLASTX:Cress
Start	5730	End	6173
GI	none	Score	80
Exons	5730..5909, 5731..5814, 5928..5975, 5944..5973, 5973..6044, 5986..6039, 6096..6173		

Seq. No.	35323	Seq. ID	OJ990428_11.9A05.C12
Gene No.	73045	Strand	-
Start	14499	End	14743
Name	OJ990428_11.9A05.C12.o2.tm	Method	TBLASTX:Maize
Start	5826	End	6201
GI	none	Score	108
Exons	5826..5882, 5865..5987, 5881..5988, 5973..6200, 5989..6201		

Seq. No.	35323	Seq. ID	OJ990428_11.9A05.C12
Gene No.	73045	Strand	-
Start	14499	End	14743
Name	OJ990428_11.9A05.C12.o5.gs	Method	GENSCAN
Start	14499	End	14743
GI	none	Score	.71
Exons	14499..14743		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73046	Strand	+
Start	398	End	5589
Name	OJ990428_11.9A05.C13.o1.gs	Method	GENSCAN
Start	398	End	5355
GI	none	Score	.57
Exons	398..437, 1983..2149, 2829..2936, 3181..3831, 4690..4944, 5056..5355		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73046	Strand	+
Start	398	End	5589
Name	OJ990428_11.9A05.C13.o1.np	Method	AAT/NAP
Start	3208	End	5323
GI	5123939	Score	848
Exons	3208..3831, 4690..4944, 5056..5323		
GI Descrip.	(AL079349) putative protein [Arabidopsis thaliana]		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73046	Strand	+
Start	398	End	5589
Name	OJ990428_11.9A05.C13.o1.gp	Method	AAT/GAP
Start	4783	End	5589
GI	5447_1.R1084	Score	1352
Exons	4783..4944, 5056..5589		
GI Descrip.	'5123939/emb\|CAB45497.1\| 8.0e-47 (AL079349) putative protein [Arabidopsis thaliana]'		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73047	Strand	-
Start	6229	End	15559
Name	OJ990428_11.9A05.C13.o4.tc	Method	TBLASTX:Cress
Start	3298	End	3699
GI	none	Score	266
Exons	3298..3699, 3432..3548		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73047	Strand	-
Start	6229	End	15559
Name	OJ990428_11.9A05.C13.o7.ts	Method	TBLASTX:Soybean
Start	3313	End	3768
GI	none	Score	74
Exons	3313..3378, 3435..3518, 3436..3558, 3622..3768, 3675..3758		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73047	Strand	-
Start	6229	End	15559
Name	OJ990428_11.9A05.C13.o1.tm	Method	TBLASTX:Maize
Start	3349	End	5331
GI	none	Score	52
Exons	3349..3378, 3432..3524, 3433..3525, 3510..3581, 3511..3582, 3586..3669, 3670..3723, 3670..3753, 3740..3832, 3740..3781, 4672..4956, 4681..4920, 4694..4921, 4695..4943, 5050..5331, 5051..5170, 5055..5330		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73047	Strand	-
Start	6229	End	15559
Name	OJ990428_11.9A05.C13.o6.tc	Method	TBLASTX:Cress
Start	4680	End	4812
GI	none	Score	81
Exons	4680..4805, 4686..4799, 4687..4812		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73047	Strand	-
Start	6229	End	15559
Name	OJ990428_11.9A05.C13.o1.ts	Method	TBLASTX:Soybean
Start	4693	End	5334
GI	none	Score	311
Exons	4693..4956, 4695..4886, 5050..5295, 5054..5092, 5055..5282, 5149..5289, 5278..5334		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73047	Strand	-
Start	6229	End	15559
Name	OJ990428_11.9A05.C13.o3.tc	Method	TBLASTX:Cress
Start	4813	End	5313
GI	none	Score	132
Exons	4813..4947, 5050..5313, 5061..5282, 5161..5304		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73047	Strand	-
Start	6229	End	15559
Name	OJ990428_11.9A05.C13.o2.np	Method	AAT/NAP

Start	6229	End	15339
GI	3212848	Score	2670
Exons	6229..6260, 8275..8643, 9679..10039, 10167..10290, 10438..10687, 10850..11074, 11382..11466, 11595..11719, 12463..13270, 13360..13612, 14491..15339		
GI Descrip.	(AC004005) putative inositol polyphosphate 5'-phosphatase [Arabidopsis thaliana]		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73047	Strand	-
Start	6229	End	15559
Name	OJ990428_11.9A05.C13.o2.gs	Method	GENSCAN
Start	7354	End	15559
GI	none	Score	.77
Exons	7354..7527, 7653..7754, 8275..8643, 9679..10039, 10167..10290, 10438..10705, 10786..10823, 10921..11074, 11382..11466, 11595..11719, 12466..13270, 13360..13612, 14491..15249, 15404..15559		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73047	Strand	-
Start	6229	End	15559
Name	OJ990428_11.9A05.C13.o2.tm	Method	TBLASTX:Maize
Start	8399	End	9836
GI	none	Score	193
Exons	8399..8644, 8427..8645, 8428..8646, 8428..8649, 9676..9834, 9677..9835, 9678..9836		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73047	Strand	-
Start	6229	End	15559
Name	OJ990428_11.9A05.C13.o1.tc	Method	TBLASTX:Cress
Start	8431	End	10274
GI	none	Score	148
Exons	8431..8649, 8441..8644, 9676..9741, 9677..9739, 9763..10038, 9763..10050, 9803..10039, 10157..10273, 10161..10274		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73047	Strand	-
Start	6229	End	15559
Name	OJ990428_11.9A05.C13.o6.ts	Method	TBLASTX:Soybean
Start	8431	End	8644
GI	none	Score	139
Exons	8431..8643, 8477..8644		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73047	Strand	-
Start	6229	End	15559
Name	OJ990428_11.9A05.C13.o3.ts	Method	TBLASTX:Soybean
Start	9832	End	10292
GI	none	Score	99
Exons	9832..10041, 9938..10039, 10157..10291, 10161..10292		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73047	Strand	-
Start	6229	End	15559
Name	OJ990428_11.9A05.C13.o2.ts	Method	TBLASTX:Soybean

Start	10439	End	10981
GI	none	Score	180
Exons	10439..10657, 10439..10699, 10913..10981		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73047	Strand	-
Start	6229	End	15559
Name	OJ990428_11.9A05.C13.o4.ts	Method	TBLASTX:Soybean
Start	11369	End	11720
GI	none	Score	99
Exons	11369..11455, 11382..11483, 11383..11442, 11594..11719, 11595..11720		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73047	Strand	-
Start	6229	End	15559
Name	OJ990428_11.9A05.C13.o2.tc	Method	TBLASTX:Cress
Start	12586	End	13011
GI	none	Score	74
Exons	12586..12702, 12587..12703, 12679..13011, 12680..12997, 12682..13002, 12702..13004		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73047	Strand	-
Start	6229	End	15559
Name	OJ990428_11.9A05.C13.o5.ts	Method	TBLASTX:Soybean
Start	13237	End	13614
GI	none	Score	108
Exons	13237..13281, 13353..13613, 13477..13614		

Seq. No.	35324	Seq. ID	OJ990428_11.9A05.C13
Gene No.	73047	Strand	-
Start	6229	End	15559
Name	OJ990428_11.9A05.C13.o5.tc	Method	TBLASTX:Cress
Start	14786	End	14995
GI	none	Score	202
Exons	14786..14815, 14816..14995		

Seq. No.	35325	Seq. ID	OJ990428_11.9A05.C14
Gene No.	73048	Strand	+
Start	371	End	4157
Name	OJ990428_11.9A05.C14.o1.gs	Method	GENSCAN
Start	371	End	1414
GI	none	Score	.64
Exons	371..378, 508..626, 1102..1158, 1263..1414		

Seq. No.	35325	Seq. ID	OJ990428_11.9A05.C14
Gene No.	73048	Strand	+
Start	371	End	4157
Name	OJ990428_11.9A05.C14.o1.np	Method	AAT/NAP
Start	494	End	4157
GI	5042454	Score	75
Exons	494..569, 3980..4157		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	35326	Seq. ID	OJ990428_11.9A05.C15
Gene No.	73049	Strand	+

Start	376	End	4994
Name	OJ990428_11.9A05.C15.o1.np	Method	AAT/NAP
Start	376	End	4994
GI	5042454	Score	3338
Exons	376..526, 845..951, 1008..2717, 3349..3666, 3859..4089, 4673..4700, 4926..4994		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	35326	Seq. ID	OJ990428_11.9A05.C15
Gene No.	73049	Strand	+
Start	376	End	4994
Name	OJ990428_11.9A05.C15.o1.gs	Method	GENSCAN
Start	421	End	4335
GI	none	Score	.57
Exons	421..522, 747..915, 952..2355, 2441..2717, 3062..3179, 3238..3340, 3345..3439, 3613..4335		

Seq. No.	35326	Seq. ID	OJ990428_11.9A05.C15
Gene No.	73049	Strand	+
Start	376	End	4994
Name	OJ990428_11.9A05.C15.o1.tw	Method	TBLASTX:Wheat
Start	1520	End	2072
GI	none	Score	34
Exons	1520..1555, 1680..1727, 1734..1832, 1739..1831, 1799..2038, 1815..2072		

Seq. No.	35326	Seq. ID	OJ990428_11.9A05.C15
Gene No.	73049	Strand	+
Start	376	End	4994
Name	OJ990428_11.9A05.C15.o1.tm	Method	TBLASTX:Maize
Start	1722	End	1970
GI	none	Score	191
Exons	1722..1970, 1820..1969		

Seq. No.	35326	Seq. ID	OJ990428_11.9A05.C15
Gene No.	73049	Strand	+
Start	376	End	4994
Name	OJ990428_11.9A05.C15.o2.tm	Method	TBLASTX:Maize
Start	2575	End	2718
GI	none	Score	182
Exons	2575..2718, 2580..2714		

Seq. No.	35326	Seq. ID	OJ990428_11.9A05.C15
Gene No.	73049	Strand	+
Start	376	End	4994
Name	OJ990428_11.9A05.C15.o2.gp	Method	AAT/GAP
Start	2858	End	3315
GI	2428323	Score	640
Exons	2858..3315		
GI Descrip.	5803242/dbj\|AP000399.1\|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	35326	Seq. ID	OJ990428_11.9A05.C15
Gene No.	73049	Strand	+
Start	376	End	4994
Name	OJ990428_11.9A05.C15.o2.tw	Method	TBLASTX:Wheat
Start	3927	End	4194

GI	none	Score	262
Exons	3927..4190, 3928..4194		

Seq. No.	35327	Seq. ID	OJ990428_11.9A05.C16
Gene No.	73050	Strand	+
Start	1	End	1210
Name	OJ990428_11.9A05.C16.o1.np	Method	AAT/NAP
Start	1	End	268
GI	5042454	Score	78
Exons	1..50, 203..268		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	35327	Seq. ID	OJ990428_11.9A05.C16
Gene No.	73050	Strand	+
Start	1	End	1210
Name	OJ990428_11.9A05.C16.o3.np	Method	AAT/NAP
Start	1	End	1210
GI	6630699	Score	80
Exons	1..57, 1132..1210		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	35327	Seq. ID	OJ990428_11.9A05.C16
Gene No.	73050	Strand	+
Start	1	End	1210
Name	OJ990428_11.9A05.C16.o1.gs	Method	GENSCAN
Start	215	End	509
GI	none	Score	.58
Exons	215..383, 493..509		

Seq. No.	35327	Seq. ID	OJ990428_11.9A05.C16
Gene No.	73051	Strand	+
Start	1337	End	1974
Name	OJ990428_11.9A05.C16.o4.np	Method	AAT/NAP
Start	1337	End	1974
GI	6539570	Score	197
Exons	1337..1539, 1708..1774, 1940..1974		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	35327	Seq. ID	OJ990428_11.9A05.C16
Gene No.	73052	Strand	-
Start	1346	End	1852
Name	OJ990428_11.9A05.C16.o2.gs	Method	GENSCAN
Start	1346	End	1852
GI	none	Score	.96
Exons	1346..1459, 1847..1852		

Seq. No.	35328	Seq. ID	OJ990428_11.9A05.C17
Gene No.	73053	Strand	+
Start	426	End	3269
Name	OJ990428_11.9A05.C17.o1.gp	Method	AAT/GAP
Start	426	End	3269
GI	31047_1.R1084	Score	2010
Exons	426..576, 683..814, 1402..1484, 1929..2015, 2146..2294, 2506..2637, 2892..3269		
GI Descrip.	'4185143 8.0e-68 (AC005724) putative signal recognition particle		

receptor beta subunit [Arabidopsis thaliana]'

Seq. No.	35328	Seq. ID	OJ990428_11.9A05.C17
Gene No.	73053	Strand	+
Start	426	End	3269
Name	OJ990428_11.9A05.C17.o1.np	Method	AAT/NAP
Start	676	End	3078
GI	4185143	Score	635
Exons	676..814, 1402..1484, 1929..2015, 2143..2294, 2506..2637, 2892..3078		
GI Descrip.	(AC005724) putative signal recognition particle receptor beta subunit [Arabidopsis thaliana]		

Seq. No.	35328	Seq. ID	OJ990428_11.9A05.C17
Gene No.	73054	Strand	+
Start	3328	End	5791
Name	OJ990428_11.9A05.C17.o2.np	Method	AAT/NAP
Start	3328	End	5791
GI	4680500	Score	266
Exons	3328..3352, 5217..5791		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	35328	Seq. ID	OJ990428_11.9A05.C17
Gene No.	73055	Strand	-
Start	6666	End	6986
Name	OJ990428_11.9A05.C17.o1.tm	Method	TBLASTX:Maize
Start	673	End	3087
GI	none	Score	137
Exons	673..762, 678..806, 686..811, 1374..1487, 1385..1486, 1394..1489, 1920..2015, 1924..2016, 1926..2018, 2143..2295, 2144..2296, 2149..2301, 2484..2636, 2503..2637, 2506..2640, 2507..2638, 2892..3083, 2892..3077, 2893..3087, 2894..3085		

Seq. No.	35328	Seq. ID	OJ990428_11.9A05.C17
Gene No.	73055	Strand	-
Start	6666	End	6986
Name	OJ990428_11.9A05.C17.o2.ts	Method	TBLASTX:Soybean
Start	1383	End	3081
GI	none	Score	107
Exons	1383..1484, 1395..1487, 1920..2015, 2143..2295, 2144..2296, 2149..2301, 2150..2302, 2459..2485, 2506..2634, 2507..2638, 2893..3075, 2895..3074, 2902..3081		

Seq. No.	35328	Seq. ID	OJ990428_11.9A05.C17
Gene No.	73055	Strand	-
Start	6666	End	6986
Name	OJ990428_11.9A05.C17.o1.tc	Method	TBLASTX:Cress
Start	2224	End	3084
GI	none	Score	71
Exons	2224..2295, 2506..2634, 2507..2638, 2896..3084, 2898..3068		

Seq. No.	35328	Seq. ID	OJ990428_11.9A05.C17
Gene No.	73055	Strand	-
Start	6666	End	6986
Name	OJ990428_11.9A05.C17.o1.ts	Method	TBLASTX:Soybean
Start	5309	End	5698
GI	none	Score	162

Exons	5309..5479, 5320..5457, 5516..5698		
Seq. No.	35328	Seq. ID	OJ990428_11.9A05.C17
Gene No.	73055	Strand	-
Start	6666	End	6986
Name	OJ990428_11.9A05.C17.o2.gs	Method	GENSCAN
Start	6666	End	6986
GI	none	Score	.68
Exons	6666..6712, 6765..6986		
Seq. No.	35329	Seq. ID	OJ990428_11.9A05.C18
Gene No.	73056	Strand	+
Start	1378	End	1522
Name	OJ990428_11.9A05.C18.o1.gs	Method	GENSCAN
Start	1378	End	1522
GI	none	Score	.74
Exons	1378..1522		
Seq. No.	35330	Seq. ID	OJ990428_11.9A05.C19
Gene No.	73057	Strand	+
Start	1	End	3778
Name	OJ990428_11.9A05.C19.o1.np	Method	AAT/NAP
Start	1	End	727
GI	2642158	Score	104
Exons	1..235, 611..727		
GI Descrip.	(AC003000) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	35330	Seq. ID	OJ990428_11.9A05.C19
Gene No.	73057	Strand	+
Start	1	End	3778
Name	OJ990428_11.9A05.C19.o1.tm	Method	TBLASTX:Maize
Start	1	End	2358
GI	none	Score	145
Exons	1..210, 3..194, 2172..2330, 2173..2358		
Seq. No.	35330	Seq. ID	OJ990428_11.9A05.C19
Gene No.	73057	Strand	+
Start	1	End	3778
Name	OJ990428_11.9A05.C19.o1.gs	Method	GENSCAN
Start	10	End	398
GI	none	Score	.82
Exons	10..214, 373..398		
Seq. No.	35330	Seq. ID	OJ990428_11.9A05.C19
Gene No.	73057	Strand	+
Start	1	End	3778
Name	OJ990428_11.9A05.C19.o2.np	Method	AAT/NAP
Start	558	End	3778
GI	6862923	Score	111
Exons	558..603, 2177..2359, 3716..3778		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		
Seq. No.	35331	Seq. ID	OJ990428_11.9A05.C20
Gene No.	73058	Strand	+
Start	689	End	3164
Name	OJ990428_11.9A05.C20.o1.np	Method	AAT/NAP
Start	689	End	3164

GI	4680500	Score	358
Exons	689..735, 2552..3164		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	35331	Seq. ID	OJ990428_11.9A05.C20
Gene No.	73059	Strand	-
Start	6580	End	8924
Name	OJ990428_11.9A05.C20.o1.tm	Method	TBLASTX:Maize
Start	2086	End	3149
GI	none	Score	72
Exons	2086..2292, 2580..2840, 2645..2839, 2898..3149, 2936..3133		

Seq. No.	35331	Seq. ID	OJ990428_11.9A05.C20
Gene No.	73059	Strand	-
Start	6580	End	8924
Name	OJ990428_11.9A05.C20.o1.ts	Method	TBLASTX:Soybean
Start	2579	End	3149
GI	none	Score	237
Exons	2579..2812, 2580..2840, 2880..3149, 2924..3103		

Seq. No.	35331	Seq. ID	OJ990428_11.9A05.C20
Gene No.	73059	Strand	-
Start	6580	End	8924
Name	OJ990428_11.9A05.C20.o1.tc	Method	TBLASTX:Cress
Start	2583	End	2840
GI	none	Score	232
Exons	2583..2840, 2648..2839		

Seq. No.	35331	Seq. ID	OJ990428_11.9A05.C20
Gene No.	73059	Strand	-
Start	6580	End	8924
Name	OJ990428_11.9A05.C20.o1.tw	Method	TBLASTX:Wheat
Start	2760	End	3149
GI	none	Score	205
Exons	2760..3071, 3072..3149		

Seq. No.	35331	Seq. ID	OJ990428_11.9A05.C20
Gene No.	73059	Strand	-
Start	6580	End	8924
Name	OJ990428_11.9A05.C20.o2.gs	Method	GENSCAN
Start	6580	End	8924
GI	none	Score	.72
Exons	6580..6659, 7866..7974, 8813..8924		

Seq. No.	35331	Seq. ID	OJ990428_11.9A05.C20
Gene No.	73059	Strand	-
Start	6580	End	8924
Name	OJ990428_11.9A05.C20.o2.gp	Method	AAT/GAP
Start	7917	End	8924
GI	LIB3474-004-P1-K1-B9	Score	291
Exons	7917..7974, 8813..8924		
GI Descrip.	'5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	35332	Seq. ID	OJ990428_11.9A05.C21
Gene No.	73060	Strand	+
Start	292	End	2805

Name	OJ990428_11.9A05.C21.o1.np	Method	AAT/NAP
Start	292	End	2799
GI	4680501	Score	288
Exons	292..341, 2245..2799		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	35332	Seq. ID	OJ990428_11.9A05.C21
Gene No.	73060	Strand	+
Start	292	End	2805
Name	OJ990428_11.9A05.C21.o1.gs	Method	GENSCAN
Start	733	End	2805
GI	none	Score	.9
Exons	733..889, 2053..2326, 2361..2805		

Seq. No.	35332	Seq. ID	OJ990428_11.9A05.C21
Gene No.	73061	Strand	+
Start	4037	End	11490
Name	OJ990428_11.9A05.C21.o2.np	Method	AAT/NAP
Start	4037	End	11490
GI	2642158	Score	379
Exons	4037..4130, 4354..4709, 4770..4880, 9831..10301, 11347..11490		
GI Descrip.	(AC003000) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35332	Seq. ID	OJ990428_11.9A05.C21
Gene No.	73062	Strand	-
Start	643	End	829
Name	OJ990428_11.9A05.C21.o1.gp	Method	AAT/GAP
Start	643	End	829
GI	LIB3474-004-P1-K1-B9	Score	353
Exons	643..829		
GI Descrip.	'5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	35332	Seq. ID	OJ990428_11.9A05.C21
Gene No.	73063	Strand	
Start	2118	End	11870
Name	OJ990428_11.9A05.C21.o1.tm	Method	TBLASTX:Maize
Start	2118	End	11870
GI	none	Score	84
Exons	2118..2228, 2277..2486, 2281..2475, 2530..2799, 2622..2780, 4359..4577, 4385..4567, 4899..4970, 5004..5078, 5130..5372, 9830..10003, 9834..10007, 10095..10301, 11540..11806, 11541..11804, 11820..11870		

Seq. No.	35332	Seq. ID	OJ990428_11.9A05.C21
Gene No.	73063	Strand	
Start	2118	End	11870
Name	OJ990428_11.9A05.C21.o1.ts	Method	TBLASTX:Soybean
Start	2280	End	11870
GI	none	Score	190
Exons	2280..2477, 2281..2475, 2530..2799, 4899..4970, 5007..5078, 5112..5372, 9822..10007, 9830..10000, 10095..10301, 11549..11797, 11631..11804, 11820..11870		

Seq. No.	35332	Seq. ID	OJ990428_11.9A05.C21
Gene No.	73063	Strand	
Start	2118	End	11870

Name	OJ990428_11.9A05.C21.o1.tc	Method	TBLASTX:Cress
Start	2283	End	11804
GI	none	Score	188
Exons	2283..2375, 2284..2475, 4824..4892, 4899..4970, 5004..5078, 9798..10001, 9815..9988, 11540..11797, 11541..11804		

Seq. No.	35333	Seq. ID	OJ990428_11.9A05.C22
Gene No.	73064	Strand	-
Start	259	End	357
Name	OJ990428_11.9A05.C22.o1.gs	Method	GENSCAN
Start	259	End	357
GI	none	Score	.93
Exons	259..357		

Seq. No.	35334	Seq. ID	OJ990428_11.9A05.C23
Gene No.	73065	Strand	-
Start	1	End	686
Name	OJ990428_11.9A05.C23.o1.np	Method	AAT/NAP
Start	1	End	686
GI	6862923	Score	268
Exons	1..686		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	35334	Seq. ID	OJ990428_11.9A05.C23
Gene No.	73065	Strand	-
Start	1	End	686
Name	OJ990428_11.9A05.C23.o1.gs	Method	GENSCAN
Start	66	End	671
GI	none	Score	.75
Exons	66..464, 501..671		

Seq. No.	35334	Seq. ID	OJ990428_11.9A05.C23
Gene No.	73065	Strand	-
Start	1	End	686
Name	OJ990428_11.9A05.C23.o1.tc	Method	TBLASTX:Cress
Start	87	End	455
GI	none	Score	81
Exons	87..368, 381..455		

Seq. No.	35334	Seq. ID	OJ990428_11.9A05.C23
Gene No.	73065	Strand	-
Start	1	End	686
Name	OJ990428_11.9A05.C23.o1.ts	Method	TBLASTX:Soybean
Start	87	End	545
GI	none	Score	90
Exons	87..368, 381..545, 388..534		

Seq. No.	35334	Seq. ID	OJ990428_11.9A05.C23
Gene No.	73065	Strand	-
Start	1	End	686
Name	OJ990428_11.9A05.C23.o1.tm	Method	TBLASTX:Maize
Start	87	End	545
GI	none	Score	84
Exons	87..353, 381..545, 385..543		

Seq. No.	35335	Seq. ID	OJ990428_11.9A05.C24
Gene No.	73066	Strand	-

Start	1	End	1189
Name	OJ990428_11.9A05.C24.o1.np	Method	AAT/NAP
Start	1	End	1189
GI	2642158	Score	273
Exons	1..125, 294..772, 1146..1189		
GI Descrip.	(AC003000) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35335	Seq. ID	OJ990428_11.9A05.C24
Gene No.	73066	Strand	-
Start	1	End	1189
Name	OJ990428_11.9A05.C24.o1.tc	Method	TBLASTX:Cress
Start	280	End	654
GI	none	Score	111
Exons	280..570, 368..544, 583..642, 583..654		

Seq. No.	35335	Seq. ID	OJ990428_11.9A05.C24
Gene No.	73066	Strand	-
Start	1	End	1189
Name	OJ990428_11.9A05.C24.o1.gs	Method	GENSCAN
Start	294	End	821
GI	none	Score	.77
Exons	294..821		

Seq. No.	35335	Seq. ID	OJ990428_11.9A05.C24
Gene No.	73066	Strand	-
Start	1	End	1189
Name	OJ990428_11.9A05.C24.o1.tm	Method	TBLASTX:Maize
Start	298	End	810
GI	none	Score	96
Exons	298..567, 314..544, 565..810, 614..760		

Seq. No.	35335	Seq. ID	OJ990428_11.9A05.C24
Gene No.	73066	Strand	-
Start	1	End	1189
Name	OJ990428_11.9A05.C24.o1.ts	Method	TBLASTX:Soybean
Start	298	End	799
GI	none	Score	104
Exons	298..564, 311..544, 565..768, 614..799		

Seq. No.	35336	Seq. ID	OJ990428_11.9A05.C26
Gene No.	73067	Strand	+
Start	635	End	692
Name	OJ990428_11.9A05.C26.o1.gs	Method	GENSCAN
Start	635	End	692
GI	none	Score	.5
Exons	635..692		

Seq. No.	35337	Seq. ID	OJ990428_11.9A05.C27
Gene No.	73068	Strand	+
Start	578	End	700
Name	OJ990428_11.9A05.C27.o1.gs	Method	GENSCAN
Start	578	End	700
GI	none	Score	.81
Exons	578..700		

Seq. No.	35338	Seq. ID	OJ990728_10.9A01.C2
Gene No.	73069	Strand	+

Start	407	End	524
Name	OJ990728_10.9A01.C2.o1.gs	Method	GENSCAN
Start	407	End	524
GI	none	Score	.49
Exons	407..524		

Seq. No.	35339	Seq. ID	OJ990728_10.9A01.C4
Gene No.	73070	Strand	-
Start	597	End	3293
Name	OJ990728_10.9A01.C4.o1.gp	Method	AAT/GAP
Start	597	End	3227
GI	48248_1.R1084	Score	1112
Exons	597..980, 2354..2438, 2563..2654, 3179..3227		
GI Descrip.	'3738312 6.0e-58 (AC005309) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	35339	Seq. ID	OJ990728_10.9A01.C4
Gene No.	73070	Strand	-
Start	597	End	3293
Name	OJ990728_10.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	625	End	859
GI	none	Score	206
Exons	625..783, 626..784, 632..784, 787..858, 803..859		

Seq. No.	35339	Seq. ID	OJ990728_10.9A01.C4
Gene No.	73070	Strand	-
Start	597	End	3293
Name	OJ990728_10.9A01.C4.o1.np	Method	AAT/NAP
Start	628	End	3289
GI	3738312	Score	502
Exons	628..980, 2354..2438, 2563..2654, 3179..3289		
GI Descrip.	(AC005309) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35339	Seq. ID	OJ990728_10.9A01.C4
Gene No.	73070	Strand	-
Start	597	End	3293
Name	OJ990728_10.9A01.C4.o1.gs	Method	GENSCAN
Start	717	End	1457
GI	none	Score	.4
Exons	717..980, 1248..1457		

Seq. No.	35339	Seq. ID	OJ990728_10.9A01.C4
Gene No.	73070	Strand	-
Start	597	End	3293
Name	OJ990728_10.9A01.C4.o1.ts	Method	TBLASTX:Soybean
Start	736	End	983
GI	none	Score	62
Exons	736..777, 737..772, 781..858, 782..856, 885..983, 885..980		

Seq. No.	35339	Seq. ID	OJ990728_10.9A01.C4
Gene No.	73070	Strand	-
Start	597	End	3293
Name	OJ990728_10.9A01.C4.o2.gs	Method	GENSCAN
Start	1685	End	3289
GI	none	Score	.9
Exons	1685..1798, 2354..2438, 2563..2654, 3179..3289		

Seq. No.	35339	Seq. ID	OJ990728_10.9A01.C4
Gene No.	73070	Strand	-
Start	597	End	3293
Name	OJ990728_10.9A01.C4.o2.tm	Method	TBLASTX:Maize
Start	2390	End	3293
GI	none	Score	67
Exons	2390..2440, 2390..2440, 2563..2694, 2565..2654, 2567..2686, 3176..3292, 3177..3293		

Seq. No.	35340	Seq. ID	OJ990728_10.9A01.C5
Gene No.	73071	Strand	+
Start	1	End	594
Name	OJ990728_10.9A01.C5.o1.np	Method	AAT/NAP
Start	1	End	594
GI	5295955	Score	304
Exons	1..594		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	35340	Seq. ID	OJ990728_10.9A01.C5
Gene No.	73071	Strand	+
Start	1	End	594
Name	OJ990728_10.9A01.C5.o1.gs	Method	GENSCAN
Start	28	End	59
GI	none	Score	.45
Exons	28..59		

Seq. No.	35341	Seq. ID	OJ990728_10.9A01.C7
Gene No.	73072	Strand	+
Start	404	End	616
Name	OJ990728_10.9A01.C7.o1.gs	Method	GENSCAN
Start	404	End	616
GI	none	Score	.49
Exons	404..616		

Seq. No.	35342	Seq. ID	OJ990728_10.9A01.C8
Gene No.	73073	Strand	-
Start	494	End	553
Name	OJ990728_10.9A01.C8.o1.gs	Method	GENSCAN
Start	494	End	553
GI	none	Score	.92
Exons	494..553		

Seq. No.	35343	Seq. ID	OJ990728_10.9A01.C9
Gene No.	73074	Strand	+
Start	1	End	1477
Name	OJ990728_10.9A01.C9.o1.np	Method	AAT/NAP
Start	1	End	1477
GI	6815109	Score	143
Exons	1..23, 695..784, 852..957, 1020..1477		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	35343	Seq. ID	OJ990728_10.9A01.C9
Gene No.	73074	Strand	+
Start	1	End	1477
Name	OJ990728_10.9A01.C9.o1.gs	Method	GENSCAN
Start	687	End	1413

GI	none	Score	.8
Exons	687..747, 753..1014, 1214..1413		

Seq. No.	35344	Seq. ID	OJ990728_10.9A01.C10
Gene No.	73075	Strand	-
Start	113	End	493
Name	OJ990728_10.9A01.C10.o1.gs	Method	GENSCAN
Start	113	End	493
GI	none	Score	.65
Exons	113..119, 170..308, 388..493		

Seq. No.	35345	Seq. ID	OJ990728_10.9A01.C11
Gene No.	73076	Strand	-
Start	324	End	1268
Name	OJ990728_10.9A01.C11.o1.gs	Method	GENSCAN
Start	324	End	1268
GI	none	Score	.91
Exons	324..454, 1116..1268		

Seq. No.	35346	Seq. ID	OJ990728_10.9A01.C12
Gene No.	73077	Strand	+
Start	248	End	346
Name	OJ990728_10.9A01.C12.o1.gs	Method	GENSCAN
Start	248	End	346
GI	none	Score	.67
Exons	248..346		

Seq. No.	35347	Seq. ID	OJ990728_10.9A01.C14
Gene No.	73078	Strand	+
Start	394	End	724
Name	OJ990728_10.9A01.C14.o1.gs	Method	GENSCAN
Start	394	End	624
GI	none	Score	.77
Exons	394..624		

Seq. No.	35347	Seq. ID	OJ990728_10.9A01.C14
Gene No.	73078	Strand	+
Start	394	End	724
Name	OJ990728_10.9A01.C14.o1.np	Method	AAT/NAP
Start	394	End	724
GI	4512231	Score	533
Exons	394..724		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	35348	Seq. ID	OJ990728_10.9A01.C15
Gene No.	73079	Strand	-
Start	1	End	688
Name	OJ990728_10.9A01.C15.o1.np	Method	AAT/NAP
Start	1	End	688
GI	4680179	Score	669
Exons	1..688		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35348	Seq. ID	OJ990728_10.9A01.C15
Gene No.	73079	Strand	-
Start	1	End	688
Name	OJ990728_10.9A01.C15.o2.tw	Method	TBLASTX:Wheat

Start	12	End	685
GI	none	Score	49
Exons	12..56, 526..684, 527..685		

Seq. No.	35348	Seq. ID	OJ990728_10.9A01.C15
Gene No.	73079	Strand	-
Start	1	End	688
Name	OJ990728_10.9A01.C15.o1.gs	Method	GENSCAN
Start	18	End	514
GI	none	Score	.9
Exons	18..514		

Seq. No.	35348	Seq. ID	OJ990728_10.9A01.C15
Gene No.	73079	Strand	-
Start	1	End	688
Name	OJ990728_10.9A01.C15.o1.tw	Method	TBLASTX:Wheat
Start	124	End	475
GI	none	Score	49
Exons	124..474, 258..326, 302..475		

Seq. No.	35348	Seq. ID	OJ990728_10.9A01.C15
Gene No.	73079	Strand	-
Start	1	End	688
Name	OJ990728_10.9A01.C15.o1.tm	Method	TBLASTX:Maize
Start	169	End	474
GI	none	Score	247
Exons	169..474		

Seq. No.	35349	Seq. ID	OJ990728_10.9A01.C16
Gene No.	73080	Strand	-
Start	1	End	610
Name	OJ990728_10.9A01.C16.o1.np	Method	AAT/NAP
Start	1	End	610
GI	4544372	Score	488
Exons	1..610		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	35349	Seq. ID	OJ990728_10.9A01.C16
Gene No.	73080	Strand	-
Start	1	End	610
Name	OJ990728_10.9A01.C16.o1.tm	Method	TBLASTX:Maize
Start	3	End	356
GI	none	Score	237
Exons	3..356, 79..354		

Seq. No.	35349	Seq. ID	OJ990728_10.9A01.C16
Gene No.	73080	Strand	-
Start	1	End	610
Name	OJ990728_10.9A01.C16.o1.ts	Method	TBLASTX:Soybean
Start	51	End	279
GI	none	Score	102
Exons	51..260, 79..279		

Seq. No.	35349	Seq. ID	OJ990728_10.9A01.C16
Gene No.	73080	Strand	-
Start	1	End	610

Name	OJ990728_10.9A01.C16.o1.gs	Method	GENSCAN
Start	119	End	503
GI	none	Score	.52
Exons	119..503		

Seq. No.	35349	Seq. ID	OJ990728_10.9A01.C16
Gene No.	73080	Strand	-
Start	1	End	610
Name	OJ990728_10.9A01.C16.o1.tw	Method	TBLASTX:Wheat
Start	225	End	608
GI	none	Score	321
Exons	225..578, 226..570, 573..608		

Seq. No.	35349	Seq. ID	OJ990728_10.9A01.C16
Gene No.	73080	Strand	-
Start	1	End	610
Name	OJ990728_10.9A01.C16.o2.tm	Method	TBLASTX:Maize
Start	357	End	575
GI	none	Score	206
Exons	357..575, 358..570		

Seq. No.	35350	Seq. ID	OJ990728_10.9A01.C17
Gene No.	73081	Strand	+
Start	1	End	498
Name	OJ990728_10.9A01.C17.o1.np	Method	AAT/NAP
Start	1	End	498
GI	6721517	Score	355
Exons	1..498		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	35350	Seq. ID	OJ990728_10.9A01.C17
Gene No.	73081	Strand	+
Start	1	End	498
Name	OJ990728_10.9A01.C17.o1.tw	Method	TBLASTX:Wheat
Start	179	End	498
GI	none	Score	134
Exons	179..391, 211..300, 395..496, 406..498		

Seq. No.	35350	Seq. ID	OJ990728_10.9A01.C17
Gene No.	73081	Strand	+
Start	1	End	498
Name	OJ990728_10.9A01.C17.o1.gs	Method	GENSCAN
Start	189	End	455
GI	none	Score	.4
Exons	189..455		

Seq. No.	35351	Seq. ID	OJ990728_10.9A01.C18
Gene No.	73082	Strand	+
Start	1	End	185
Name	OJ990728_10.9A01.C18.o1.np	Method	AAT/NAP
Start	1	End	185
GI	3900977	Score	299
Exons	1..185		
GI Descrip.	(X53066) ribosomal protein L2 [Zea mays]		

Seq. No.	35351	Seq. ID	OJ990728_10.9A01.C18
Gene No.	73083	Strand	+

Start	205	End	784
Name	OJ990728_10.9A01.C18.o2.np	Method	AAT/NAP
Start	205	End	451
GI	82538	Score	423
Exons	205..451		
GI Descrip.	hypothetical 9K protein (rps19-rpl2 intergenic region) - rice chloroplast gi\|12028\|emb\|CAA33936\| (X15901) ORF82 [Oryza sativa] gi\|12074\|emb\|CAA33926\| (X15901) ORF82 [Oryza sativa] gi\|226650\|prf\|\|1603356CA ORF 82 [Oryza sativa]		

Seq. No.	35351	Seq. ID	OJ990728_10.9A01.C18
Gene No.	73083	Strand	+
Start	205	End	784
Name	OJ990728_10.9A01.C18.o1.gp	Method	AAT/GAP
Start	350	End	784
GI	3073_1.R1084	Score	773
Exons	350..784		
GI Descrip.	'133936/sp\|P12146\|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	35351	Seq. ID	OJ990728_10.9A01.C18
Gene No.	73083	Strand	+
Start	205	End	784
Name	OJ990728_10.9A01.C18.o3.np	Method	AAT/NAP
Start	451	End	729
GI	1213601	Score	455
Exons	451..729		
GI Descrip.	(X15901) ribosomal protein S19 [Oryza sativa] gi\|226648\|prf\|\|1603356BY ribosomal protein S19 [Oryza sativa]		

Seq. No.	35351	Seq. ID	OJ990728_10.9A01.C18
Gene No.	73084	Strand	-
Start	782	End	1340
Name	OJ990728_10.9A01.C18.o2.tm	Method	TBLASTX:Maize
Start	1	End	165
GI	none	Score	254
Exons	1..150, 3..149, 142..165		

Seq. No.	35351	Seq. ID	OJ990728_10.9A01.C18
Gene No.	73084	Strand	-
Start	782	End	1340
Name	OJ990728_10.9A01.C18.o1.ts	Method	TBLASTX:Soybean
Start	2	End	700
GI	none	Score	292
Exons	2..184, 3..179, 426..470, 427..474, 432..470, 462..686, 462..686, 463..696, 548..700		

Seq. No.	35351	Seq. ID	OJ990728_10.9A01.C18
Gene No.	73084	Strand	-
Start	782	End	1340
Name	OJ990728_10.9A01.C18.o2.tc	Method	TBLASTX:Cress
Start	11	End	561
GI	none	Score	275
Exons	11..196, 12..179, 240..269, 241..270, 241..270, 244..321,		

264..320, 271..321, 272..322, 429..470, 462..560, 463..561, 469..558

Seq. No.	35351	Seq. ID	OJ990728_10.9A01.C18
Gene No.	73084	Strand	-
Start	782	End	1340
Name	OJ990728_10.9A01.C18.o1.tm	Method	TBLASTX:Maize
Start	333	End	769
GI	none	Score	162
Exons	333..464, 334..471, 430..744, 539..766, 548..769	432..761, 432..728, 469..735,	

Seq. No.	35351	Seq. ID	OJ990728_10.9A01.C18
Gene No.	73084	Strand	-
Start	782	End	1340
Name	OJ990728_10.9A01.C18.o2.gp	Method	AAT/GAP
Start	782	End	1145
GI	5455469	Score	630
Exons	782..1145		
GI Descrip.	131251/sp\|P12094\|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15		

Seq. No.	35351	Seq. ID	OJ990728_10.9A01.C18
Gene No.	73084	Strand	-
Start	782	End	1340
Name	OJ990728_10.9A01.C18.o1.tc	Method	TBLASTX:Cress
Start	819	End	1180
GI	none	Score	337
Exons	819..1175, 837..1154, 838..1167, 1088..1180		

Seq. No.	35351	Seq. ID	OJ990728_10.9A01.C18
Gene No.	73084	Strand	-
Start	782	End	1340
Name	OJ990728_10.9A01.C18.o4.np	Method	AAT/NAP
Start	840	End	1340
GI	131251	Score	769
Exons	840..1340		
GI Descrip.	PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) gi\|72661\|pir\|\|FMRZ32 photosystem II protein D1 precursor - rice chloroplast gi\|11958\|emb\|CAA34007\| (X15901) PSII 32kDa protein [Oryza sativa] gi\|343212 (M36191) Q-B protein (psbA) [Oryza sativa] gi\|226249\|prf\|\|1503143A psbA gene [Oryza sativa] gi\|226406\|prf\|\|1510376A quinone bind		

Seq. No.	35352	Seq. ID	OJ990728_10.9A01.C19
Gene No.	73085	Strand	-
Start	16	End	243
Name	OJ990728_10.9A01.C19.o1.gs	Method	GENSCAN
Start	16	End	243
GI	none	Score	.48
Exons	16..243		

Seq. No.	35353	Seq. ID	OJ990728_10.9A01.C20
Gene No.	73086	Strand	-
Start	147	End	448
Name	OJ990728_10.9A01.C20.o1.gs	Method	GENSCAN
Start	147	End	448
GI	none	Score	.95
Exons	147..448		

Seq. No.	35354	Seq. ID	OJ990728_10.9A01.C21
Gene No.	73087	Strand	+
Start	356	End	826
Name	OJ990728_10.9A01.C21.o1.gs	Method	GENSCAN
Start	356	End	826
GI	none	Score	.76
Exons	356..408, 752..826		

Seq. No.	35355	Seq. ID	OJ990728_10.9A01.C22
Gene No.	73088	Strand	-
Start	531	End	677
Name	OJ990728_10.9A01.C22.o1.gp	Method	AAT/GAP
Start	531	End	677
GI	426505	Score	214
Exons	531..677		

Seq. No.	35356	Seq. ID	OJ990728_10.9A01.C25
Gene No.	73089	Strand	+
Start	1	End	434
Name	OJ990728_10.9A01.C25.o1.np	Method	AAT/NAP
Start	1	End	411
GI	4115365	Score	113
Exons	1..49, 157..411		
GI Descrip.	(AC005957) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	35356	Seq. ID	OJ990728_10.9A01.C25
Gene No.	73089	Strand	+
Start	1	End	434
Name	OJ990728_10.9A01.C25.o1.gs	Method	GENSCAN
Start	33	End	434
GI	none	Score	.73
Exons	33..434		

Seq. No.	35356	Seq. ID	OJ990728_10.9A01.C25
Gene No.	73090	Strand	-
Start	1364	End	1547
Name	OJ990728_10.9A01.C25.o2.np	Method	AAT/NAP
Start	1364	End	1547
GI	6063554	Score	144
Exons	1364..1547		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35357	Seq. ID	OJ990728_10.9A01.C26
Gene No.	73091	Strand	+
Start	292	End	699
Name	OJ990728_10.9A01.C26.o1.np	Method	AAT/NAP

Start	292	End	655
GI	5852180	Score	150
Exons	292..655		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	35357	Seq. ID	OJ990728_10.9A01.C26
Gene No.	73091	Strand	+
Start	292	End	699
Name	OJ990728_10.9A01.C26.o1.gs	Method	GENSCAN
Start	334	End	699
GI	none	Score	.97
Exons	334..699		

Seq. No.	35357	Seq. ID	OJ990728_10.9A01.C26
Gene No.	73092	Strand	+
Start	1405	End	1586
Name	OJ990728_10.9A01.C26.o2.np	Method	AAT/NAP
Start	1405	End	1586
GI	629693	Score	81
Exons	1405..1586		
GI Descrip.	probable integrase - common tobacco (fragment) gi\|530742\|emb\|CAA56791\| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	35357	Seq. ID	OJ990728_10.9A01.C26
Gene No.	73093	Strand	-
Start	1606	End	1711
Name	OJ990728_10.9A01.C26.o2.gs	Method	GENSCAN
Start	1606	End	1711
GI	none	Score	.86
Exons	1606..1711		

Seq. No.	35358	Seq. ID	OJ990728_10.9A01.C28
Gene No.	73094	Strand	+
Start	115	End	476
Name	OJ990728_10.9A01.C28.o1.gs	Method	GENSCAN
Start	115	End	476
GI	none	Score	.69
Exons	115..476		

Seq. No.	35358	Seq. ID	OJ990728_10.9A01.C28
Gene No.	73095	Strand	+
Start	411	End	617
Name	OJ990728_10.9A01.C28.o1.gp	Method	AAT/GAP
Start	411	End	617
GI	uC-osflcyp162a07a1	Score	155
Exons	411..476, 576..617		
GI Descrip.	'4680179/gb\|AAD27547.1\|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	35358	Seq. ID	OJ990728_10.9A01.C28
Gene No.	73096	Strand	-
Start	410	End	617
Name	OJ990728_10.9A01.C28.o1.np	Method	AAT/NAP
Start	410	End	617
GI	4680179	Score	191
Exons	410..617		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35359	Seq. ID	OJ990728_10.9A01.C29
Gene No.	73097	Strand	+
Start	1	End	643
Name	OJ990728_10.9A01.C29.o1.np	Method	AAT/NAP
Start	1	End	643
GI	4544372	Score	330
Exons	1..643		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	35359	Seq. ID	OJ990728_10.9A01.C29
Gene No.	73097	Strand	+
Start	1	End	643
Name	OJ990728_10.9A01.C29.o2.tw	Method	TBLASTX:Wheat
Start	68	End	370
GI	none	Score	171
Exons	68..370, 133..363		

Seq. No.	35359	Seq. ID	OJ990728_10.9A01.C29
Gene No.	73097	Strand	+
Start	1	End	643
Name	OJ990728_10.9A01.C29.o1.gs	Method	GENSCAN
Start	71	End	621
GI	none	Score	.82
Exons	71..621		

Seq. No.	35359	Seq. ID	OJ990728_10.9A01.C29
Gene No.	73097	Strand	+
Start	1	End	643
Name	OJ990728_10.9A01.C29.o1.ts	Method	TBLASTX:Soybean
Start	209	End	574
GI	none	Score	138
Exons	209..433, 220..399, 440..574		

Seq. No.	35359	Seq. ID	OJ990728_10.9A01.C29
Gene No.	73097	Strand	+
Start	1	End	643
Name	OJ990728_10.9A01.C29.o1.tw	Method	TBLASTX:Wheat
Start	371	End	632
GI	none	Score	86
Exons	371..427, 376..417, 422..628, 430..627, 431..628, 444..632		

Seq. No.	35359	Seq. ID	OJ990728_10.9A01.C29
Gene No.	73097	Strand	+
Start	1	End	643
Name	OJ990728_10.9A01.C29.o1.tm	Method	TBLASTX:Maize
Start	425	End	631
GI	none	Score	261
Exons	425..631, 430..630		

Seq. No.	35360	Seq. ID	OJ990728_10.9A01.C30
Gene No.	73098	Strand	+
Start	247	End	628
Name	OJ990728_10.9A01.C30.o1.gp	Method	AAT/GAP
Start	247	End	628
GI	uC-osflcyp033a04b1	Score	639

Exons	247..628		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	35360	Seq. ID	OJ990728_10.9A01.C30
Gene No.	73099	Strand	-
Start	180	End	1494
Name	OJ990728_10.9A01.C30.o1.np	Method	AAT/NAP
Start	180	End	1494
GI	4680186	Score	354
Exons	180..380, 1218..1269, 1441..1494		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	35361	Seq. ID	OJ990728_10.9A01.C31
Gene No.	73100	Strand	+
Start	1	End	19108
Name	OJ990728_10.9A01.C31.o2.np	Method	AAT/NAP
Start	1	End	19108
GI	5852175	Score	50
Exons	1..179, 1094..1203, 16790..16865, 19076..19108		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		
Seq. No.	35361	Seq. ID	OJ990728_10.9A01.C31
Gene No.	73100	Strand	+
Start	1	End	19108
Name	OJ990728_10.9A01.C31.o1.np	Method	AAT/NAP
Start	116	End	623
GI	5852178	Score	244
Exons	116..623		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		
Seq. No.	35361	Seq. ID	OJ990728_10.9A01.C31
Gene No.	73100	Strand	+
Start	1	End	19108
Name	OJ990728_10.9A01.C31.o2.gs	Method	GENSCAN
Start	7449	End	16520
GI	none	Score	.46
Exons	7449..7498, 8167..8217, 9459..9573, 9937..10205, 10421..10563, 10754..10841, 13591..13663, 14192..14349, 16226..16520		
Seq. No.	35361	Seq. ID	OJ990728_10.9A01.C31
Gene No.	73101	Strand	-
Start	1	End	14901
Name	OJ990728_10.9A01.C31.o3.np	Method	AAT/NAP
Start	1	End	3740
GI	5803259	Score	285
Exons	1..43, 2994..3740		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	35361	Seq. ID	OJ990728_10.9A01.C31
Gene No.	73101	Strand	-
Start	1	End	14901
Name	OJ990728_10.9A01.C31.o4.np	Method	AAT/NAP
Start	1	End	14901
GI	6721512	Score	162
Exons	1..41, 4135..4206, 14509..14545, 14588..14721, 14749..14901		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73102	Strand	+
Start	2961	End	6967
Name	OJ990728_10.9A01.C32.o1.gp	Method	AAT/GAP
Start	2961	End	6679
GI	none	Score	779
Exons	2961..3020, 3724..3799, 5243..5294, 5598..5712, 5785..5855, 6604..6679		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73102	Strand	+
Start	2961	End	6967
Name	OJ990728_10.9A01.C32.o2.gp	Method	AAT/GAP
Start	6576	End	6967
GI	none	Score	498
Exons	6576..6691, 6778..6967		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73103	Strand	+
Start	13060	End	24086
Name	OJ990728_10.9A01.C32.o1.np	Method	AAT/NAP
Start	13057	End	24086
GI	3176660	Score	1783
Exons	13057..14230, 14273..14618, 23359..23825, 23883..24086		
GI Descrip.	(AC004393) Similar to ERECTA receptor protein kinase gb\|U47029 from A. thaliana. [Arabidopsis thaliana] gi\|6382533\|gb\|AAF07815.1\|AC011020_15 (AC011020) putative receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73103	Strand	+
Start	13060	End	24086
Name	OJ990728_10.9A01.C32.o3.gs	Method	GENSCAN
Start	13060	End	16708
GI	none	Score	.62
Exons	13060..13632, 13697..14618, 15639..15699, 16636..16708		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73104	Strand	+
Start	29236	End	35018
Name	OJ990728_10.9A01.C32.o2.np	Method	AAT/NAP
Start	29236	End	35018
GI	6630696	Score	380
Exons	29236..29259, 31911..32463, 34974..35018		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73105	Strand	+
Start	40342	End	46508
Name	OJ990728_10.9A01.C32.o10.gs	Method	GENSCAN
Start	40342	End	46508
GI	none	Score	.6
Exons	40342..40413, 42446..42584, 42827..43389, 43483..44394, 44493..45209, 45252..45598, 45638..45894, 45939..46034,		

46360..46508

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73106	Strand	-
Start	1	End	24131
Name	OJ990728_10.9A01.C32.o3.np	Method	AAT/NAP
Start	1	End	24051
GI	5734709	Score	202
Exons	1..29, 11193..11361, 13090..13203, 14282..14490, 16114..16148, 20429..20509, 23843..23918, 23955..24051		
GI Descrip.	(AC008075) Contains PF\|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73106	Strand	-
Start	1	End	24131
Name	OJ990728_10.9A01.C32.o4.gs	Method	GENSCAN
Start	20157	End	20857
GI	none	Score	.46
Exons	20157..20537, 20663..20857		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73106	Strand	-
Start	1	End	24131
Name	OJ990728_10.9A01.C32.o5.gs	Method	GENSCAN
Start	23304	End	24131
GI	none	Score	.93
Exons	23304..24131		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73107	Strand	-
Start	25385	End	27144
Name	OJ990728_10.9A01.C32.o6.gs	Method	GENSCAN
Start	25385	End	27144
GI	none	Score	.54
Exons	25385..25545, 25718..25724, 25999..26271, 27142..27144		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73108	Strand	-
Start	31201	End	31742
Name	OJ990728_10.9A01.C32.o8.gs	Method	GENSCAN
Start	31201	End	31742
GI	none	Score	.57
Exons	31201..31306, 31609..31742		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73109	Strand	-
Start	32680	End	36238
Name	OJ990728_10.9A01.C32.o9.gs	Method	GENSCAN
Start	32680	End	36238
GI	none	Score	.4
Exons	32680..32894, 33178..33283, 33858..33995, 34135..34153, 34428..34470, 36082..36238		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73110	Strand	-
Start	47401	End	47523

Name	OJ990728_10.9A01.C32.o3.tm	Method	TBLASTX:Maize
Start	6579	End	6933
GI	none	Score	172
Exons	6579..6719, 6589..6687, 6600..6692, 6772..6885, 6776..6889, 6871..6933, 6887..6922		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73110	Strand	-
Start	47401	End	47523
Name	OJ990728_10.9A01.C32.o2.tm	Method	TBLASTX:Maize
Start	13129	End	13346
GI	none	Score	204
Exons	13129..13266, 13251..13346, 13252..13326		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73110	Strand	-
Start	47401	End	47523
Name	OJ990728_10.9A01.C32.o1.tm	Method	TBLASTX:Maize
Start	13380	End	13852
GI	none	Score	327
Exons	13380..13460, 13390..13656, 13429..13611, 13480..13566, 13492..13665, 13690..13851, 13718..13852, 13727..13840		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73110	Strand	-
Start	47401	End	47523
Name	OJ990728_10.9A01.C32.o2.ts	Method	TBLASTX:Soybean
Start	13387	End	13906
GI	none	Score	129
Exons	13387..13620, 13387..13620, 13387..13617, 13390..13611, 13390..13611, 13390..13611, 13390..13611, 13420..13620, 13423..13611, 13534..13614, 13640..13906, 13691..13840, 13712..13840, 13727..13840, 13730..13861, 13730..13840, 13730..13840, 13745..13840		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73110	Strand	-
Start	47401	End	47523
Name	OJ990728_10.9A01.C32.o1.tc	Method	TBLASTX:Cress
Start	13390	End	23780
GI	none	Score	122
Exons	13390..13611, 13390..13620, 13390..13620, 13390..13623, 13390..13620, 13390..13620, 13390..13617, 13390..13611, 13390..13611, 13420..13614, 13438..13611, 13480..13611, 13564..13620, 13706..13846, 13724..13900, 13727..13840, 13727..13846, 13730..13843, 13730..13846, 13730..13843, 13745..13903, 14501..14620, 23382..23594, 23718..23780		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73110	Strand	-
Start	47401	End	47523
Name	OJ990728_10.9A01.C32.o1.ts	Method	TBLASTX:Soybean
Start	14504	End	23780
GI	none	Score	109
Exons	14504..14638, 23382..23555, 23676..23780		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32

Gene No.	73110	Strand	-
Start	47401	End	47523
Name	OJ990728_10.9A01.C32.o4.tm	Method	TBLASTX:Maize
Start	23385	End	23780
GI	none	Score	138
Exons	23385..23579, 23661..23780		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73110	Strand	-
Start	47401	End	47523
Name	OJ990728_10.9A01.C32.o3.ts	Method	TBLASTX:Soybean
Start	23892	End	24095
GI	none	Score	215
Exons	23892..24095, 23996..24088		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73110	Strand	-
Start	47401	End	47523
Name	OJ990728_10.9A01.C32.o1.tw	Method	TBLASTX:Wheat
Start	31914	End	32391
GI	none	Score	90
Exons	31914..31994, 31914..31991, 31915..31995, 31916..31996, 32002..32088, 32086..32190, 32086..32202, 32087..32203, 32093..32209, 32094..32207, 32208..32306, 32215..32310, 32219..32308, 32311..32391		

Seq. No.	35362	Seq. ID	OJ990728_10.9A01.C32
Gene No.	73110	Strand	-
Start	47401	End	47523
Name	OJ990728_10.9A01.C32.o11.gs	Method	GENSCAN
Start	47401	End	47523
GI	none	Score	.91
Exons	47401..47523		

Seq. No.	35363	Seq. ID	OJ990728_10.9A01.C33
Gene No.	73111	Strand	+
Start	252	End	304
Name	OJ990728_10.9A01.C33.o1.gs	Method	GENSCAN
Start	252	End	304
GI	none	Score	.69
Exons	252..304		

Seq. No.	35364	Seq. ID	OJ990728_10.9A01.C34
Gene No.	73112	Strand	+
Start	404	End	619
Name	OJ990728_10.9A01.C34.o1.gs	Method	GENSCAN
Start	404	End	619
GI	none	Score	.51
Exons	404..619		

Seq. No.	35365	Seq. ID	OJ990728_10.9A01.C40
Gene No.	73113	Strand	+
Start	1	End	466
Name	OJ990728_10.9A01.C40.o1.np	Method	AAT/NAP
Start	1	End	466
GI	4512229	Score	746
Exons	1..466		

GI Descrip. (AB014740) ORF0 protein [Oryza sativa]

Seq. No.	35366	Seq. ID	OJ990728_10.9A01.C41
Gene No.	73114	Strand	-
Start	1	End	602
Name	OJ990728_10.9A01.C41.o1.np	Method	AAT/NAP
Start	1	End	602
GI	4680179	Score	833
Exons	1..602		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	35366	Seq. ID	OJ990728_10.9A01.C41
Gene No.	73114	Strand	-
Start	1	End	602
Name	OJ990728_10.9A01.C41.o1.ts	Method	TBLASTX:Soybean
Start	2	End	307
GI	none	Score	123
Exons	2..163, 3..155, 108..269, 130..207, 218..271, 228..269, 248..307, 274..306, 275..307		

Seq. No.	35366	Seq. ID	OJ990728_10.9A01.C41
Gene No.	73114	Strand	-
Start	1	End	602
Name	OJ990728_10.9A01.C41.o2.tw	Method	TBLASTX:Wheat
Start	3	End	185
GI	none	Score	151
Exons	3..158, 5..160, 93..185, 130..177		

Seq. No.	35366	Seq. ID	OJ990728_10.9A01.C41
Gene No.	73114	Strand	-
Start	1	End	602
Name	OJ990728_10.9A01.C41.o1.gs	Method	GENSCAN
Start	53	End	304
GI	none	Score	.61
Exons	53..304		

Seq. No.	35366	Seq. ID	OJ990728_10.9A01.C41
Gene No.	73114	Strand	-
Start	1	End	602
Name	OJ990728_10.9A01.C41.o1.tm	Method	TBLASTX:Maize
Start	218	End	567
GI	none	Score	144
Exons	218..334, 403..567		

Seq. No.	35366	Seq. ID	OJ990728_10.9A01.C41
Gene No.	73114	Strand	-
Start	1	End	602
Name	OJ990728_10.9A01.C41.o1.tw	Method	TBLASTX:Wheat
Start	248	End	602
GI	none	Score	131
Exons	248..334, 313..414, 400..573, 416..574, 558..602, 559..600		

Seq. No.	35367	Seq. ID	OJ990728_10.9A01.C42
Gene No.	73115	Strand	-
Start	808	End	1357
Name	OJ990728_10.9A01.C42.o1.gs	Method	GENSCAN
Start	808	End	1357

GI	none	Score	.71
Exons	808..923, 1289..1357		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73116	Strand	+
Start	1708	End	2748
Name	OJ990728_10.9A01.C43.o1.gs	Method	GENSCAN
Start	1708	End	2748
GI	none	Score	.5
Exons	1708..1815, 2563..2748		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73117	Strand	+
Start	3889	End	4289
Name	OJ990728_10.9A01.C43.o2.np	Method	AAT/NAP
Start	3889	End	4289
GI	4584355	Score	269
Exons	3889..4289		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73118	Strand	+
Start	10212	End	16537
Name	OJ990728_10.9A01.C43.o3.gs	Method	GENSCAN
Start	10212	End	16496
GI	none	Score	.58
Exons	10212..10707, 10736..11620, 11637..12881, 12999..13240, 13409..13828, 13886..14069, 14703..15506, 15705..16233, 16262..16496		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73118	Strand	+
Start	10212	End	16537
Name	OJ990728_10.9A01.C43.o4.np	Method	AAT/NAP
Start	13418	End	16537
GI	5902445	Score	3006
Exons	13418..15256, 15296..16537		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73119	Strand	-
Start	1306	End	4795
Name	OJ990728_10.9A01.C43.o1.np	Method	AAT/NAP
Start	1306	End	4795
GI	4680180	Score	272
Exons	1306..1731, 4697..4795		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73120	Strand	-
Start	5750	End	6205
Name	OJ990728_10.9A01.C43.o3.np	Method	AAT/NAP
Start	5588	End	6157
GI	6907092	Score	598
Exons	5588..5725, 5840..6157		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73120	Strand	-
Start	5750	End	6205
Name	OJ990728_10.9A01.C43.o2.gs	Method	GENSCAN
Start	5750	End	6205
GI	none	Score	.64
Exons	5750..6205		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73121	Strand	-
Start	17153	End	20314
Name	OJ990728_10.9A01.C43.o3.tw	Method	TBLASTX:Wheat
Start	1315	End	16528
GI	none	Score	56
Exons	1315..1452, 1438..1656, 1643..1714, 9791..9853, 15920..16372, 15934..16020, 16072..16176, 16400..16528		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73121	Strand	-
Start	17153	End	20314
Name	OJ990728_10.9A01.C43.o7.tw	Method	TBLASTX:Wheat
Start	11771	End	12085
GI	none	Score	60
Exons	11771..11851, 11810..12085, 11857..12084		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73121	Strand	-
Start	17153	End	20314
Name	OJ990728_10.9A01.C43.o5.tw	Method	TBLASTX:Wheat
Start	12716	End	13165
GI	none	Score	133
Exons	12716..12898, 12724..12825, 12935..13165, 12937..13053, 12941..13114		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73121	Strand	-
Start	17153	End	20314
Name	OJ990728_10.9A01.C43.o1.tw	Method	TBLASTX:Wheat
Start	13364	End	13819
GI	none	Score	540
Exons	13364..13819, 13366..13818		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73121	Strand	-
Start	17153	End	20314
Name	OJ990728_10.9A01.C43.o1.tm	Method	TBLASTX:Maize
Start	13493	End	13849
GI	none	Score	403
Exons	13493..13849, 13547..13795, 13555..13848		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73121	Strand	-
Start	17153	End	20314
Name	OJ990728_10.9A01.C43.o3.tm	Method	TBLASTX:Maize
Start	13904	End	14260
GI	none	Score	296
Exons	13904..14260, 13904..14014, 13911..14093, 14044..14259		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73121	Strand	-
Start	17153	End	20314
Name	OJ990728_10.9A01.C43.o2.tw	Method	TBLASTX:Wheat
Start	13934	End	14358
GI	none	Score	457
Exons	13934..14356, 13974..14261, 13979..14323, 14044..14358		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73121	Strand	-
Start	17153	End	20314
Name	OJ990728_10.9A01.C43.o1.ts	Method	TBLASTX:Soybean
Start	13988	End	14413
GI	none	Score	304
Exons	13988..14413, 14047..14172		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73121	Strand	-
Start	17153	End	20314
Name	OJ990728_10.9A01.C43.o6.tw	Method	TBLASTX:Wheat
Start	14504	End	14911
GI	none	Score	192
Exons	14504..14728, 14569..14730, 14738..14911, 14767..14859, 14846..14911		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73121	Strand	-
Start	17153	End	20314
Name	OJ990728_10.9A01.C43.o8.tw	Method	TBLASTX:Wheat
Start	14954	End	15208
GI	none	Score	183
Exons	14954..15208, 14956..15081		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73121	Strand	-
Start	17153	End	20314
Name	OJ990728_10.9A01.C43.o2.tm	Method	TBLASTX:Maize
Start	15413	End	15718
GI	none	Score	334
Exons	15413..15718, 15451..15717		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73121	Strand	-
Start	17153	End	20314
Name	OJ990728_10.9A01.C43.o4.tw	Method	TBLASTX:Wheat
Start	15413	End	15801
GI	none	Score	357
Exons	15413..15796, 15421..15801		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73121	Strand	-
Start	17153	End	20314
Name	OJ990728_10.9A01.C43.o4.gs	Method	GENSCAN
Start	17153	End	20157
GI	none	Score	.65
Exons	17153..17670, 17768..17913, 18035..18511, 18526..18729,		

18840..18898, 18970..19104, 19217..19331, 20006..20157

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73121	Strand	-
Start	17153	End	20314
Name	OJ990728_10.9A01.C43.o5.np	Method	AAT/NAP
Start	18034	End	20230
GI	6721561	Score	922
Exons	18034..18770, 18840..18898, 18970..19149, 20209..20230		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35368	Seq. ID	OJ990728_10.9A01.C43
Gene No.	73121	Strand	-
Start	17153	End	20314
Name	OJ990728_10.9A01.C43.o6.np	Method	AAT/NAP
Start	18591	End	20314
GI	6721558	Score	94
Exons	18591..18814, 19217..19312, 20186..20314		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815083\|dbj\|BAA90369.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o1.gs	Method	GENSCAN
Start	771	End	6355
GI	none	Score	.71
Exons	771..1310, 1503..1576, 1634..1658, 1829..4432, 4481..5023, 5069..5431, 5591..6355		

Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o1.np	Method	AAT/NAP
Start	1826	End	6352
GI	4680179	Score	5318
Exons	1826..2917, 2951..6352		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o9.tw	Method	TBLASTX:Wheat
Start	2078	End	2278
GI	none	Score	209
Exons	2078..2275, 2080..2277, 2081..2278		

Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o7.tw	Method	TBLASTX:Wheat
Start	2311	End	2662

GI	none	Score	295
Exons	2311..2505, 2312..2662		
Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o6.tm	Method	TBLASTX:Maize
Start	2312	End	2617
GI	none	Score	236
Exons	2312..2617, 2326..2442		
Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o7.tm	Method	TBLASTX:Maize
Start	2972	End	3295
GI	none	Score	184
Exons	2972..3295		
Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o8.tw	Method	TBLASTX:Wheat
Start	2978	End	3415
GI	none	Score	161
Exons	2978..3187, 3034..3186, 3232..3345, 3233..3346, 3374..3415		
Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o4.tw	Method	TBLASTX:Wheat
Start	3511	End	3997
GI	none	Score	539
Exons	3511..3954, 3515..3997		
Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o5.tm	Method	TBLASTX:Maize
Start	3526	End	3816
GI	none	Score	317
Exons	3526..3816, 3527..3814		
Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o4.ts	Method	TBLASTX:Soybean
Start	3551	End	3865
GI	none	Score	185
Exons	3551..3865		
Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o3.tm	Method	TBLASTX:Maize
Start	3884	End	4384
GI	none	Score	163

Exons	3884..4063, 3892..4011, 4070..4384, 4210..4263, 4291..4341		
Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o1.ts	Method	TBLASTX:Soybean
Start	3938	End	4333
GI	none	Score	57
Exons	3938..3970, 3940..3969, 3974..4333, 3976..4011, 4042..4332		
Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o5.tw	Method	TBLASTX:Wheat
Start	4046	End	4348
GI	none	Score	373
Exons	4046..4348, 4048..4332, 4049..4342		
Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o3.tw	Method	TBLASTX:Wheat
Start	4349	End	4774
GI	none	Score	583
Exons	4349..4774, 4381..4770, 4412..4774		
Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o3.ts	Method	TBLASTX:Soybean
Start	4355	End	4600
GI	none	Score	197
Exons	4355..4600		
Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o2.tm	Method	TBLASTX:Maize
Start	4420	End	4783
GI	none	Score	469
Exons	4420..4770, 4421..4774, 4421..4783		
Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o2.tw	Method	TBLASTX:Wheat
Start	4783	End	5341
GI	none	Score	646
Exons	4783..5340, 4805..5341		
Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o2.ts	Method	TBLASTX:Soybean
Start	5129	End	5389
GI	none	Score	292
Exons	5129..5389, 5134..5388		

Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o4.tm	Method	TBLASTX:Maize
Start	5187	End	5479
GI	none	Score	91
Exons	5187..5357, 5188..5475, 5189..5479		

Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o1.tw	Method	TBLASTX:Wheat
Start	5348	End	5974
GI	none	Score	650
Exons	5348..5974, 5404..5862, 5849..5971		

Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o1.tm	Method	TBLASTX:Maize
Start	5531	End	6127
GI	none	Score	205
Exons	5531..5689, 5536..5682, 5687..6127, 5689..6111, 5849..6112		

Seq. No.	35369	Seq. ID	OJ990728_10.9A01.C44
Gene No.	73122	Strand	+
Start	771	End	6355
Name	OJ990728_10.9A01.C44.o6.tw	Method	TBLASTX:Wheat
Start	5974	End	6307
GI	none	Score	305
Exons	5974..6243, 5975..6307, 5978..6286		

Seq. No.	35370	Seq. ID	OJ990728_10.9A01.C45
Gene No.	73123	Strand	+
Start	916	End	1137
Name	OJ990728_10.9A01.C45.o1.gp	Method	AAT/GAP
Start	916	End	1137
GI	uC-osflcyp033a04b1	Score	374
Exons	916..1137		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35370	Seq. ID	OJ990728_10.9A01.C45
Gene No.	73124	Strand	-
Start	1	End	2135
Name	OJ990728_10.9A01.C45.o1.np	Method	AAT/NAP
Start	1	End	2135
GI	5852180	Score	89
Exons	1..153, 2067..2135		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	35370	Seq. ID	OJ990728_10.9A01.C45
Gene No.	73124	Strand	-
Start	1	End	2135
Name	OJ990728_10.9A01.C45.o1.gs	Method	GENSCAN
Start	846	End	2019

GI	none	Score	.67
Exons	846..1049, 1837..2019		

Seq. No.	35370	Seq. ID	OJ990728_10.9A01.C45
Gene No.	73124	Strand	-
Start	1	End	2135
Name	OJ990728_10.9A01.C45.o2.np	Method	AAT/NAP
Start	849	End	2135
GI	4680186	Score	326
Exons	849..1049, 2039..2135		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73125	Strand	+
Start	1	End	1092
Name	OJ990728_10.9A01.C46.o1.np	Method	AAT/NAP
Start	1	End	1089
GI	4680179	Score	1683
Exons	1..1089		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73125	Strand	+
Start	1	End	1092
Name	OJ990728_10.9A01.C46.o1.gs	Method	GENSCAN
Start	256	End	1092
GI	none	Score	.74
Exons	256..1092		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73126	Strand	+
Start	4577	End	10063
Name	OJ990728_10.9A01.C46.o3.gs	Method	GENSCAN
Start	4577	End	10063
GI	none	Score	.51
Exons	4577..5236, 5642..5778, 5860..10063		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73126	Strand	+
Start	4577	End	10063
Name	OJ990728_10.9A01.C46.o2.np	Method	AAT/NAP
Start	5241	End	10060
GI	4680179	Score	5681
Exons	5241..5360, 5705..10060		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o2.ts	Method	TBLASTX:Soybean
Start	1	End	9097
GI	none	Score	167
Exons	1..126, 3..125, 8837..9097, 8848..9096		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070

Name	OJ990728_10.9A01.C46.o3.tm	Method	TBLASTX:Maize
Start	1	End	9187
GI	none	Score	308
Exons	1..216, 3..212, 8895..8999, 8896..9183, 8897..9187, 9029..9184		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o2.tw	Method	TBLASTX:Wheat
Start	1	End	9049
GI	none	Score	114
Exons	1..78, 1..78, 8510..9049, 8692..9045		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o1.tc	Method	TBLASTX:Cress
Start	4	End	9073
GI	none	Score	111
Exons	4..102, 6..101, 8747..8929, 8930..9073, 8932..9072		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o1.tw	Method	TBLASTX:Wheat
Start	85	End	9682
GI	none	Score	720
Exons	85..711, 141..590, 256..669, 651..710, 9056..9682, 9115..9570, 9116..9676, 9613..9681		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o1.tm	Method	TBLASTX:Maize
Start	264	End	9820
GI	none	Score	229
Exons	264..419, 265..426, 423..584, 424..849, 651..848, 9235..9390, 9236..9397, 9394..9696, 9395..9820, 9515..9697		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o5.tw	Method	TBLASTX:Wheat
Start	712	End	10015
GI	none	Score	306
Exons	712..1044, 715..828, 807..992, 9682..9756, 9683..10015, 9686..9799, 9775..9822		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o7.tm	Method	TBLASTX:Maize
Start	853	End	10070
GI	none	Score	127
Exons	853..1065, 879..974, 1067..1099, 1067..1099, 9824..10036, 9854..10036, 10029..10070, 10038..10070		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o2.gs	Method	GENSCAN
Start	1863	End	3147
GI	none	Score	.9
Exons	1863..1977, 1986..2354, 3134..3147		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o9.tw	Method	TBLASTX:Wheat
Start	5676	End	6001
GI	none	Score	196
Exons	5676..5696, 5803..6000, 5819..6001		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o7.tw	Method	TBLASTX:Wheat
Start	6052	End	6403
GI	none	Score	320
Exons	6052..6162, 6053..6403, 6201..6245		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o6.tm	Method	TBLASTX:Maize
Start	6053	End	6391
GI	none	Score	246
Exons	6053..6391, 6053..6262		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o8.tw	Method	TBLASTX:Wheat
Start	6737	End	7090
GI	none	Score	238
Exons	6737..7090		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o8.tm	Method	TBLASTX:Maize
Start	7094	End	7285
GI	none	Score	188
Exons	7094..7285, 7132..7239		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o4.tw	Method	TBLASTX:Wheat
Start	7222	End	7705
GI	none	Score	533
Exons	7222..7662, 7223..7705, 7334..7702		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46

Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o3.ts	Method	TBLASTX:Soybean
Start	7259	End	7573
GI	none	Score	198
Exons	7259..7573		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o4.tm	Method	TBLASTX:Maize
Start	7288	End	7735
GI	none	Score	371
Exons	7288..7530, 7292..7735		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o1.ts	Method	TBLASTX:Soybean
Start	7646	End	8041
GI	none	Score	57
Exons	7646..7678, 7646..7678, 7682..7735, 7684..7725, 7790..8041, 7798..8031		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o6.tw	Method	TBLASTX:Wheat
Start	7768	End	8056
GI	none	Score	61
Exons	7768..7860, 7793..8056, 7795..8055		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o5.tm	Method	TBLASTX:Maize
Start	7790	End	8122
GI	none	Score	306
Exons	7790..8122, 7843..8121		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o3.tw	Method	TBLASTX:Wheat
Start	8057	End	8482
GI	none	Score	603
Exons	8057..8482, 8059..8475, 8132..8482		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46
Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o4.ts	Method	TBLASTX:Soybean
Start	8063	End	8311
GI	none	Score	198
Exons	8063..8311		

Seq. No.	35371	Seq. ID	OJ990728_10.9A01.C46

Gene No.	73127	Strand	-
Start	1863	End	10070
Name	OJ990728_10.9A01.C46.o2.tm	Method	TBLASTX:Maize
Start	8129	End	8482
GI	none	Score	451
Exons	8129..8482, 8134..8475		

Seq. No.	35372	Seq. ID	OJ990728_10.9A01.C47
Gene No.	73128	Strand	+
Start	452	End	625
Name	OJ990728_10.9A01.C47.o1.np	Method	AAT/NAP
Start	452	End	625
GI	6063554	Score	91
Exons	452..625		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35372	Seq. ID	OJ990728_10.9A01.C47
Gene No.	73129	Strand	-
Start	1	End	722
Name	OJ990728_10.9A01.C47.o2.np	Method	AAT/NAP
Start	1	End	722
GI	5852180	Score	71
Exons	1..22, 635..722		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	35373	Seq. ID	OJ990728_10.9A01.C48
Gene No.	73130	Strand	+
Start	605	End	1138
Name	OJ990728_10.9A01.C48.o1.gs	Method	GENSCAN
Start	605	End	1069
GI	none	Score	.94
Exons	605..991, 997..1069		

Seq. No.	35373	Seq. ID	OJ990728_10.9A01.C48
Gene No.	73130	Strand	+
Start	605	End	1138
Name	OJ990728_10.9A01.C48.o1.np	Method	AAT/NAP
Start	605	End	1138
GI	4512231	Score	816
Exons	605..1138		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	35374	Seq. ID	OJ990728_10.9A01.C49
Gene No.	73131	Strand	+
Start	1	End	785
Name	OJ990728_10.9A01.C49.o1.np	Method	AAT/NAP
Start	1	End	785
GI	4680179	Score	715
Exons	1..785		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35374	Seq. ID	OJ990728_10.9A01.C49
Gene No.	73131	Strand	+
Start	1	End	785
Name	OJ990728_10.9A01.C49.o1.gs	Method	GENSCAN

Start	21	End	768
GI	none	Score	.84
Exons	21..768		

Seq. No.	35374	Seq. ID	OJ990728_10.9A01.C49
Gene No.	73131	Strand	+
Start	1	End	785
Name	OJ990728_10.9A01.C49.o2.tw	Method	TBLASTX:Wheat
Start	188	End	386
GI	none	Score	187
Exons	188..385, 204..386		

Seq. No.	35374	Seq. ID	OJ990728_10.9A01.C49
Gene No.	73131	Strand	+
Start	1	End	785
Name	OJ990728_10.9A01.C49.o1.tw	Method	TBLASTX:Wheat
Start	438	End	779
GI	none	Score	291
Exons	438..779, 525..683, 553..684		

Seq. No.	35374	Seq. ID	OJ990728_10.9A01.C49
Gene No.	73131	Strand	+
Start	1	End	785
Name	OJ990728_10.9A01.C49.o1.tm	Method	TBLASTX:Maize
Start	462	End	776
GI	none	Score	227
Exons	462..776		

Seq. No.	35375	Seq. ID	OJ990728_10.9A01.C50
Gene No.	73132	Strand	-
Start	301	End	347
Name	OJ990728_10.9A01.C50.o1.gs	Method	GENSCAN
Start	301	End	347
GI	none	Score	.76
Exons	301..347		

Seq. No.	35376	Seq. ID	OJ990728_10.9A01.C51
Gene No.	73133	Strand	-
Start	425	End	721
Name	OJ990728_10.9A01.C51.o1.np	Method	AAT/NAP
Start	425	End	721
GI	4680179	Score	363
Exons	425..721		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35377	Seq. ID	OJ990728_10.9A01.C56
Gene No.	73134	Strand	-
Start	245	End	426
Name	OJ990728_10.9A01.C56.o1.gs	Method	GENSCAN
Start	245	End	426
GI	none	Score	.87
Exons	245..426		

Seq. No.	35378	Seq. ID	OJ990518_12.9A15.C2
Gene No.	73135	Strand	+
Start	163	End	284
Name	OJ990518_12.9A15.C2.o1.gs	Method	GENSCAN

Start	163	End	284
GI	none	Score	.58
Exons	163..284		

Seq. No.	35378	Seq. ID	OJ990518_12.9A15.C2
Gene No.	73136	Strand	+
Start	786	End	1646
Name	OJ990518_12.9A15.C2.o1.gp	Method	AAT/GAP
Start	786	End	1646
GI	3768104	Score	1249
Exons	786..1451, 1612..1646		
GI Descrip.	5596475/emb\|CAB51413.1\| 8.0e-31 (AL096882) peroxidase ATP19a [Arabidopsis thaliana]		

Seq. No.	35378	Seq. ID	OJ990518_12.9A15.C2
Gene No.	73137	Strand	-
Start	1032	End	1450
Name	OJ990518_12.9A15.C2.o1.tm	Method	TBLASTX:Maize
Start	989	End	1450
GI	none	Score	57
Exons	989..1102, 996..1070, 1032..1160, 1033..1146, 1143..1226, 1152..1445, 1159..1443, 1349..1450		

Seq. No.	35378	Seq. ID	OJ990518_12.9A15.C2
Gene No.	73137	Strand	-
Start	1032	End	1450
Name	OJ990518_12.9A15.C2.o1.tc	Method	TBLASTX:Cress
Start	1029	End	1445
GI	none	Score	107
Exons	1029..1133, 1033..1137, 1134..1310, 1171..1299, 1311..1445, 1312..1443		

Seq. No.	35378	Seq. ID	OJ990518_12.9A15.C2
Gene No.	73137	Strand	-
Start	1032	End	1450
Name	OJ990518_12.9A15.C2.o2.gs	Method	GENSCAN
Start	1032	End	1438
GI	none	Score	.96
Exons	1032..1438		

Seq. No.	35378	Seq. ID	OJ990518_12.9A15.C2
Gene No.	73137	Strand	-
Start	1032	End	1450
Name	OJ990518_12.9A15.C2.o1.np	Method	AAT/NAP
Start	1035	End	1445
GI	1546692	Score	306
Exons	1035..1445		
GI Descrip.	(X98805) peroxidase ATP19a [Arabidopsis thaliana]		

Seq. No.	35378	Seq. ID	OJ990518_12.9A15.C2
Gene No.	73137	Strand	-
Start	1032	End	1450
Name	OJ990518_12.9A15.C2.o1.ts	Method	TBLASTX:Soybean
Start	1035	End	1446
GI	none	Score	66
Exons	1035..1145, 1045..1146, 1149..1304, 1323..1445, 1333..1446		

Seq. No.	35379	Seq. ID	OJ990518_12.9A15.C4
Gene No.	73138	Strand	-
Start	62	End	338
Name	OJ990518_12.9A15.C4.o1.gs	Method	GENSCAN
Start	62	End	338
GI	none	Score	.59
Exons	62..338		

Seq. No.	35380	Seq. ID	OJ990518_12.9A15.C5
Gene No.	73139	Strand	+
Start	1	End	332
Name	OJ990518_12.9A15.C5.o1.gp	Method	AAT/GAP
Start	1	End	332
GI	none	Score	601
Exons	1..332		

Seq. No.	35380	Seq. ID	OJ990518_12.9A15.C5
Gene No.	73140	Strand	-
Start	114	End	266
Name	OJ990518_12.9A15.C5.o1.gs	Method	GENSCAN
Start	114	End	266
GI	none	Score	.52
Exons	114..266		

Seq. No.	35381	Seq. ID	OJ990518_12.9A15.C6
Gene No.	73141	Strand	-
Start	1	End	685
Name	OJ990518_12.9A15.C6.o1.np	Method	AAT/NAP
Start	1	End	685
GI	629693	Score	341
Exons	1..685		
GI Descrip.	probable integrase - common tobacco (fragment) gi\|530742\|emb\|CAA56791\| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	35381	Seq. ID	OJ990518_12.9A15.C6
Gene No.	73141	Strand	-
Start	1	End	685
Name	OJ990518_12.9A15.C6.o1.gs	Method	GENSCAN
Start	24	End	592
GI	none	Score	.41
Exons	24..592		

Seq. No.	35381	Seq. ID	OJ990518_12.9A15.C6
Gene No.	73141	Strand	-
Start	1	End	685
Name	OJ990518_12.9A15.C6.o1.ts	Method	TBLASTX:Soybean
Start	155	End	553
GI	none	Score	54
Exons	155..553, 347..448		

Seq. No.	35381	Seq. ID	OJ990518_12.9A15.C6
Gene No.	73141	Strand	-
Start	1	End	685
Name	OJ990518_12.9A15.C6.o1.tm	Method	TBLASTX:Maize
Start	176	End	574
GI	none	Score	85
Exons	176..397, 410..574		

Seq. No.	35382	Seq. ID	OJ990518_12.9A15.C7
Gene No.	73142	Strand	-
Start	510	End	639
Name	OJ990518_12.9A15.C7.o1.gs	Method	GENSCAN
Start	510	End	639
GI	none	Score	.71
Exons	510..639		

Seq. No.	35383	Seq. ID	OJ990518_12.9A15.C8
Gene No.	73143	Strand	+
Start	96	End	226
Name	OJ990518_12.9A15.C8.o1.gs	Method	GENSCAN
Start	96	End	226
GI	none	Score	.52
Exons	96..226		

Seq. No.	35384	Seq. ID	OJ990518_12.9A15.C10
Gene No.	73144	Strand	-
Start	271	End	14131
Name	OJ990518_12.9A15.C10.o1.np	Method	AAT/NAP
Start	271	End	4798
GI	4206306	Score	1232
Exons	271..3034, 4737..4798		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	35384	Seq. ID	OJ990518_12.9A15.C10
Gene No.	73144	Strand	-
Start	271	End	14131
Name	OJ990518_12.9A15.C10.o5.tw	Method	TBLASTX:Wheat
Start	663	End	1052
GI	none	Score	169
Exons	663..719, 750..1052		

Seq. No.	35384	Seq. ID	OJ990518_12.9A15.C10
Gene No.	73144	Strand	-
Start	271	End	14131
Name	OJ990518_12.9A15.C10.o3.ts	Method	TBLASTX:Soybean
Start	696	End	977
GI	none	Score	210
Exons	696..977		

Seq. No.	35384	Seq. ID	OJ990518_12.9A15.C10
Gene No.	73144	Strand	-
Start	271	End	14131
Name	OJ990518_12.9A15.C10.o4.tm	Method	TBLASTX:Maize
Start	726	End	1058
GI	none	Score	208
Exons	726..1058		

Seq. No.	35384	Seq. ID	OJ990518_12.9A15.C10
Gene No.	73144	Strand	-
Start	271	End	14131
Name	OJ990518_12.9A15.C10.o1.gs	Method	GENSCAN
Start	907	End	3840
GI	none	Score	.46
Exons	907..1496, 1961..1994, 2125..2695, 2738..3013, 3059..3210,		

3326..3840

Seq. No.	35384	Seq. ID	OJ990518_12.9A15.C10
Gene No.	73144	Strand	-
Start	271	End	14131
Name	OJ990518_12.9A15.C10.o4.tw	Method	TBLASTX:Wheat
Start	1314	End	1712
GI	none	Score	81
Exons	1314..1583, 1623..1712		

Seq. No.	35384	Seq. ID	OJ990518_12.9A15.C10
Gene No.	73144	Strand	-
Start	271	End	14131
Name	OJ990518_12.9A15.C10.o1.ts	Method	TBLASTX:Soybean
Start	1345	End	1758
GI	none	Score	117
Exons	1345..1599, 1347..1598, 1606..1758, 1620..1757		

Seq. No.	35384	Seq. ID	OJ990518_12.9A15.C10
Gene No.	73144	Strand	-
Start	271	End	14131
Name	OJ990518_12.9A15.C10.o2.ts	Method	TBLASTX:Soybean
Start	1908	End	2378
GI	none	Score	80
Exons	1908..2096, 1921..2052, 2092..2340, 2097..2378		

Seq. No.	35384	Seq. ID	OJ990518_12.9A15.C10
Gene No.	73144	Strand	-
Start	271	End	14131
Name	OJ990518_12.9A15.C10.o3.tw	Method	TBLASTX:Wheat
Start	1995	End	2393
GI	none	Score	39
Exons	1995..2096, 1999..2067, 2058..2393, 2062..2376		

Seq. No.	35384	Seq. ID	OJ990518_12.9A15.C10
Gene No.	73144	Strand	-
Start	271	End	14131
Name	OJ990518_12.9A15.C10.o1.tm	Method	TBLASTX:Maize
Start	2064	End	2525
GI	none	Score	210
Exons	2064..2525, 2065..2376, 2136..2525		

Seq. No.	35384	Seq. ID	OJ990518_12.9A15.C10
Gene No.	73144	Strand	-
Start	271	End	14131
Name	OJ990518_12.9A15.C10.o1.tw	Method	TBLASTX:Wheat
Start	2394	End	2798
GI	none	Score	248
Exons	2394..2735, 2394..2747, 2437..2739, 2742..2798, 2752..2793		

Seq. No.	35384	Seq. ID	OJ990518_12.9A15.C10
Gene No.	73144	Strand	-
Start	271	End	14131
Name	OJ990518_12.9A15.C10.o2.tm	Method	TBLASTX:Maize
Start	2526	End	2744
GI	none	Score	207
Exons	2526..2744, 2527..2739		

Seq. No.	35384	Seq. ID	OJ990518_12.9A15.C10
Gene No.	73144	Strand	-
Start	271	End	14131
Name	OJ990518_12.9A15.C10.o4.ts	Method	TBLASTX:Soybean
Start	2595	End	2960
GI	none	Score	74
Exons	2595..2729, 2736..2960, 2770..2949		

Seq. No.	35384	Seq. ID	OJ990518_12.9A15.C10
Gene No.	73144	Strand	-
Start	271	End	14131
Name	OJ990518_12.9A15.C10.o5.ts	Method	TBLASTX:Soybean
Start	3310	End	3708
GI	none	Score	197
Exons	3310..3708		

Seq. No.	35384	Seq. ID	OJ990518_12.9A15.C10
Gene No.	73144	Strand	-
Start	271	End	14131
Name	OJ990518_12.9A15.C10.o2.gs	Method	GENSCAN
Start	4279	End	14131
GI	none	Score	43
Exons	4279..5444, 5975..6155, 6431..6979, 8745..9104, 9288..9980, 10717..10768, 10845..10956, 11523..11595, 11645..11736, 13369..13502, 14094..14131		

Seq. No.	35384	Seq. ID	OJ990518_12.9A15.C10
Gene No.	73144	Strand	-
Start	271	End	14131
Name	OJ990518_12.9A15.C10.o3.np	Method	AAT/NAP
Start	7260	End	11189
GI	3645898	Score	468
Exons	7260..7306, 8414..8960, 9003..9938, 11150..11189		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	35384	Seq. ID	OJ990518_12.9A15.C10
Gene No.	73144	Strand	-
Start	271	End	14131
Name	OJ990518_12.9A15.C10.o3.tm	Method	TBLASTX:Maize
Start	9318	End	9719
GI	none	Score	65
Exons	9318..9719, 9468..9683		

Seq. No.	35384	Seq. ID	OJ990518_12.9A15.C10
Gene No.	73144	Strand	-
Start	271	End	14131
Name	OJ990518_12.9A15.C10.o2.tw	Method	TBLASTX:Wheat
Start	9477	End	9872
GI	none	Score	60
Exons	9477..9863, 9772..9864, 9774..9872		

Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73145	Strand	+
Start	5853	End	7424
Name	OJ990518_12.9A15.C11.o2.gs	Method	GENSCAN

Start	5853	End	7424
GI	none	Score	.51
Exons	5853..5896, 6162..6409, 7360..7424		

Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73146	Strand	-
Start	1	End	3220
Name	OJ990518_12.9A15.C11.o1.np	Method	AAT/NAP
Start	1	End	3107
GI	2388571	Score	352
Exons	1..68, 1387..1557, 2173..2360, 2901..3107		
GI Descrip.	(AC000098) Strong similarity to Arabidopsis peroxidase ATPEROX7A (gb\|X98321). [Arabidopsis thaliana] gi\|2738254 (U97684) peroxidase precursor [Arabidopsis thaliana]		

Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73146	Strand	-
Start	1	End	3220
Name	OJ990518_12.9A15.C11.o1.gp	Method	AAT/GAP
Start	1391	End	1542
GI	3768104	Score	191
Exons	1391..1542		
GI Descrip.	5596475/emb\|CAB51413.1\| 8.0e-31 (AL096882) peroxidase ATP19a [Arabidopsis thaliana]		

Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73146	Strand	-
Start	1	End	3220
Name	OJ990518_12.9A15.C11.o1.gs	Method	GENSCAN
Start	1391	End	3152
GI	none	Score	.4
Exons	1391..1589, 2172..2360, 2901..3152		

Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73146	Strand	-
Start	1	End	3220
Name	OJ990518_12.9A15.C11.o2.gp	Method	AAT/GAP
Start	2219	End	3220
GI	3768103	Score	858
Exons	2219..2360, 2901..3220		
GI Descrip.	1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]		

Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73147	Strand	-
Start	4282	End	10716
Name	OJ990518_12.9A15.C11.o3.tm	Method	TBLASTX:Maize
Start	1384	End	1590
GI	none	Score	209
Exons	1384..1590, 1389..1589		

Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73147	Strand	-
Start	4282	End	10716
Name	OJ990518_12.9A15.C11.o2.tc	Method	TBLASTX:Cress
Start	1389	End	3026
GI	none	Score	139

Exons	1389..1478, 1491..1550, 2172..2366, 2173..2367, 2904..3026		
Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73147	Strand	-
Start	4282	End	10716
Name	OJ990518_12.9A15.C11.o4.tm	Method	TBLASTX:Maize
Start	2172	End	2981
GI	none	Score	149
Exons	2172..2366, 2173..2367, 2904..2981		
Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73147	Strand	-
Start	4282	End	10716
Name	OJ990518_12.9A15.C11.o2.ts	Method	TBLASTX:Soybean
Start	2173	End	3026
GI	none	Score	167
Exons	2173..2361, 2178..2366, 2904..3026		
Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73147	Strand	-
Start	4282	End	10716
Name	OJ990518_12.9A15.C11.o1.tw	Method	TBLASTX:Wheat
Start	2176	End	3027
GI	none	Score	205
Exons	2176..2367, 2178..2366, 2233..2367, 2901..2969, 2902..3027, 2904..3026		
Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73147	Strand	-
Start	4282	End	10716
Name	OJ990518_12.9A15.C11.o3.np	Method	AAT/NAP
Start	4282	End	10163
GI	2943742	Score	44
Exons	4282..4329, 10029..10163		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		
Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73147	Strand	-
Start	4282	End	10716
Name	OJ990518_12.9A15.C11.o2.np	Method	AAT/NAP
Start	8229	End	10317
GI	6630458	Score	616
Exons	8229..8635, 8681..8949, 9061..9927, 9970..10317		
GI Descrip.	(AC007190) F23N19.13 [Arabidopsis thaliana]		
Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73147	Strand	-
Start	4282	End	10716
Name	OJ990518_12.9A15.C11.o2.tm	Method	TBLASTX:Maize
Start	8337	End	8681
GI	none	Score	156
Exons	8337..8606, 8344..8529, 8441..8611, 8604..8681		
Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73147	Strand	-
Start	4282	End	10716
Name	OJ990518_12.9A15.C11.o1.ts	Method	TBLASTX:Soybean

Start	8343	End	8594
GI	none	Score	98
Exons	8343..8594, 8344..8529		

Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73147	Strand	-
Start	4282	End	10716
Name	OJ990518_12.9A15.C11.o5.tm	Method	TBLASTX:Maize
Start	9009	End	9239
GI	none	Score	55
Exons	9009..9098, 9010..9090, 9093..9239, 9123..9233		

Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73147	Strand	-
Start	4282	End	10716
Name	OJ990518_12.9A15.C11.o2.tw	Method	TBLASTX:Wheat
Start	9171	End	9428
GI	none	Score	175
Exons	9171..9428		

Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73147	Strand	-
Start	4282	End	10716
Name	OJ990518_12.9A15.C11.o1.tm	Method	TBLASTX:Maize
Start	9240	End	9832
GI	none	Score	117
Exons	9240..9779, 9255..9707, 9532..9723, 9794..9832		

Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73147	Strand	-
Start	4282	End	10716
Name	OJ990518_12.9A15.C11.o1.tc	Method	TBLASTX:Cress
Start	9486	End	9776
GI	none	Score	223
Exons	9486..9776		

Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73147	Strand	-
Start	4282	End	10716
Name	OJ990518_12.9A15.C11.o3.ts	Method	TBLASTX:Soybean
Start	9486	End	9776
GI	none	Score	196
Exons	9486..9776		

Seq. No.	35385	Seq. ID	OJ990518_12.9A15.C11
Gene No.	73147	Strand	-
Start	4282	End	10716
Name	OJ990518_12.9A15.C11.o4.gs	Method	GENSCAN
Start	9819	End	10716
GI	none	Score	.66
Exons	9819..10243, 10477..10716		

Seq. No.	35386	Seq. ID	OJ990518_12.9A15.C12
Gene No.	73148	Strand	+
Start	4031	End	4825
Name	OJ990518_12.9A15.C12.o2.gs	Method	GENSCAN
Start	4031	End	4825

GI	none	Score	.91
Exons	4031..4080, 4512..4615, 4686..4732, 4808..4825		

Seq. No.	35386	Seq. ID	OJ990518_12.9A15.C12
Gene No.	73149	Strand	+
Start	5958	End	7399
Name	OJ990518_12.9A15.C12.o2.np	Method	AAT/NAP
Start	5847	End	7396
GI	3334150	Score	1548
Exons	5847..5977, 6183..6262, 6344..7396		
GI Descrip.	MAGNESIUM-CHELATASE SUBUNIT CHLI PRECURSOR (MG-PROTOPORPHYRIN IX CHELATASE) gi\|2129847\|pir\|\|JC4312 chlorophyll magnesium chelatase (EC 4.99.-.-) - soybean chloroplast gi\|1732469\|dbj\|BAA08291\| (D45857) Mg chelatase subunit (46 kD) [Glycine max]		

Seq. No.	35386	Seq. ID	OJ990518_12.9A15.C12
Gene No.	73149	Strand	+
Start	5958	End	7399
Name	OJ990518_12.9A15.C12.o3.gs	Method	GENSCAN
Start	5958	End	7399
GI	none	Score	.99
Exons	5958..6069, 6111..6262, 6344..7399		

Seq. No.	35386	Seq. ID	OJ990518_12.9A15.C12
Gene No.	73149	Strand	+
Start	5958	End	7399
Name	OJ990518_12.9A15.C12.o1.gp	Method	AAT/GAP
Start	6349	End	7015
GI	6218_1.R1084	Score	1255
Exons	6349..7015		
GI Descrip.	'3334150/sp\|P93162\|CHLI_SOYBN 1.0e-98 MAGNESIUM-CHELATASE SUBUNIT CHLI PRECURSOR (MG-PROTOPORPHYRIN IX CHELATASE) >gi_2129847_pir__JC4312 chlorophyll magnesium chelatase (EC 4.99.-.-) - soybean chloroplast >gi_1732469_dbj_BAA08291_ (D45857) Mg chelatase subunit (46 kD) [Glycine max]'		

Seq. No.	35386	Seq. ID	OJ990518_12.9A15.C12
Gene No.	73150	Strand	-
Start	308	End	2207
Name	OJ990518_12.9A15.C12.o1.gs	Method	GENSCAN
Start	308	End	2207
GI	none	Score	.65
Exons	308..694, 1180..1292, 1443..1721, 1847..1880, 2064..2207		

Seq. No.	35386	Seq. ID	OJ990518_12.9A15.C12
Gene No.	73151	Strand	-
Start	7173	End	7635
Name	OJ990518_12.9A15.C12.o2.gp	Method	AAT/GAP
Start	7173	End	7635
GI	4462_1.R1084	Score	899
Exons	7173..7635		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	35386	Seq. ID	OJ990518_12.9A15.C12
Gene No.	73152	Strand	-

Start	10983	End	12316
Name	OJ990518_12.9A15.C12.o3.tm	Method	TBLASTX:Maize
Start	4363	End	4777
GI	none	Score	60
Exons	4363..4662, 4475..4663, 4649..4777		

Seq. No.	35386	Seq. ID	OJ990518_12.9A15.C12
Gene No.	73152	Strand	-
Start	10983	End	12316
Name	OJ990518_12.9A15.C12.o1.tm	Method	TBLASTX:Maize
Start	6205	End	7318
GI	none	Score	73
Exons	6205..6264, 6208..6264, 6352..6570, 6371..6517, 6383..6652, 6490..6567, 6563..6631, 6635..6793, 6646..6927, 6646..7317, 6651..7250, 6845..7318		

Seq. No.	35386	Seq. ID	OJ990518_12.9A15.C12
Gene No.	73152	Strand	-
Start	10983	End	12316
Name	OJ990518_12.9A15.C12.o1.tc	Method	TBLASTX:Cress
Start	6364	End	7399
GI	none	Score	244
Exons	6364..6507, 6371..6517, 6404..7393, 6563..6793, 6652..7395, 6756..6881, 6845..7399		

Seq. No.	35386	Seq. ID	OJ990518_12.9A15.C12
Gene No.	73152	Strand	-
Start	10983	End	12316
Name	OJ990518_12.9A15.C12.o1.ts	Method	TBLASTX:Soybean
Start	6367	End	7399
GI	none	Score	247
Exons	6367..6507, 6371..6517, 6383..7063, 6549..6719, 6563..6793, 6652..7395, 6780..7250, 6845..7399		

Seq. No.	35386	Seq. ID	OJ990518_12.9A15.C12
Gene No.	73152	Strand	-
Start	10983	End	12316
Name	OJ990518_12.9A15.C12.o4.gs	Method	GENSCAN
Start	10983	End	12304
GI	none	Score	.52
Exons	10983..11417, 11990..12304		

Seq. No.	35386	Seq. ID	OJ990518_12.9A15.C12
Gene No.	73152	Strand	-
Start	10983	End	12316
Name	OJ990518_12.9A15.C12.o3.np	Method	AAT/NAP
Start	11973	End	12316
GI	3510250	Score	402
Exons	11973..12316		
GI Descrip.	(AC005310) unknown protein [Arabidopsis thaliana]		

Seq. No.	35386	Seq. ID	OJ990518_12.9A15.C12
Gene No.	73152	Strand	-
Start	10983	End	12316
Name	OJ990518_12.9A15.C12.o2.tc	Method	TBLASTX:Cress
Start	11987	End	12316
GI	none	Score	129

Exons	11987..12103, 11988..12116, 12117..12314, 12122..12316		
Seq. No.	35386	Seq. ID	OJ990518_12.9A15.C12
Gene No.	73152	Strand	-
Start	10983	End	12316
Name	OJ990518_12.9A15.C12.o2.tm	Method	TBLASTX:Maize
Start	11993	End	12224
GI	none	Score	60
Exons	11993..12106, 11996..12103, 12000..12122, 12128..12223, 12129..12224		
Seq. No.	35386	Seq. ID	OJ990518_12.9A15.C12
Gene No.	73152	Strand	-
Start	10983	End	12316
Name	OJ990518_12.9A15.C12.o2.ts	Method	TBLASTX:Soybean
Start	11996	End	12311
GI	none	Score	81
Exons	11996..12103, 11997..12119, 12134..12310, 12138..12311		
Seq. No.	35386	Seq. ID	OJ990518_12.9A15.C12
Gene No.	73152	Strand	-
Start	10983	End	12316
Name	OJ990518_12.9A15.C12.o1.tw	Method	TBLASTX:Wheat
Start	12155	End	12316
GI	none	Score	126
Exons	12155..12316, 12159..12311, 12194..12316		
Seq. No.	35387	Seq. ID	OJ990518_12.9A15.C13
Gene No.	73153	Strand	-
Start	1	End	3178
Name	OJ990518_12.9A15.C13.o1.np	Method	AAT/NAP
Start	1	End	3178
GI	3510251	Score	1209
Exons	1..779, 2459..3178		
GI Descrip.	(AC005310) unknown protein [Arabidopsis thaliana]		
Seq. No.	35387	Seq. ID	OJ990518_12.9A15.C13
Gene No.	73153	Strand	-
Start	1	End	3178
Name	OJ990518_12.9A15.C13.o1.tm	Method	TBLASTX:Maize
Start	1	End	243
GI	none	Score	85
Exons	1..81, 2..82, 3..83, 4..84, 82..243, 84..242, 130..243		
Seq. No.	35387	Seq. ID	OJ990518_12.9A15.C13
Gene No.	73153	Strand	-
Start	1	End	3178
Name	OJ990518_12.9A15.C13.o1.gs	Method	GENSCAN
Start	75	End	3157
GI	none	Score	.43
Exons	75..749, 2459..3157		
Seq. No.	35387	Seq. ID	OJ990518_12.9A15.C13
Gene No.	73153	Strand	-
Start	1	End	3178
Name	OJ990518_12.9A15.C13.o3.ts	Method	TBLASTX:Soybean
Start	115	End	417

GI	none	Score	79
Exons	115..231, 123..230, 231..287, 280..417, 285..416		

Seq. No.	35387	Seq. ID	OJ990518_12.9A15.C13
Gene No.	73153	Strand	-
Start	1	End	3178
Name	OJ990518_12.9A15.C13.o2.ts	Method	TBLASTX:Soybean
Start	484	End	2506
GI	none	Score	120
Exons	484..780, 486..782, 2456..2506		

Seq. No.	35387	Seq. ID	OJ990518_12.9A15.C13
Gene No.	73153	Strand	-
Start	1	End	3178
Name	OJ990518_12.9A15.C13.o2.tm	Method	TBLASTX:Maize
Start	630	End	2738
GI	none	Score	76
Exons	630..782, 630..782, 2456..2728, 2532..2738		

Seq. No.	35387	Seq. ID	OJ990518_12.9A15.C13
Gene No.	73153	Strand	-
Start	1	End	3178
Name	OJ990518_12.9A15.C13.o1.tc	Method	TBLASTX:Cress
Start	2450	End	3037
GI	none	Score	220
Exons	2450..2524, 2522..2548, 2535..2828, 2537..2827, 2826..3035, 2828..3037		

Seq. No.	35387	Seq. ID	OJ990518_12.9A15.C13
Gene No.	73153	Strand	-
Start	1	End	3178
Name	OJ990518_12.9A15.C13.o1.ts	Method	TBLASTX:Soybean
Start	2573	End	3037
GI	none	Score	169
Exons	2573..2824, 2607..2825, 2760..3002, 2828..3037		

Seq. No.	35388	Seq. ID	OJ990518_12.9A15.C14
Gene No.	73154	Strand	+
Start	5168	End	5268
Name	OJ990518_12.9A15.C14.o1.gp	Method	AAT/GAP
Start	5168	End	5268
GI	LIB3477-003-P1-K1-E9	Score	156
Exons	5168..5268		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	35388	Seq. ID	OJ990518_12.9A15.C14
Gene No.	73155	Strand	+
Start	6439	End	7170
Name	OJ990518_12.9A15.C14.o1.np	Method	AAT/NAP
Start	6439	End	7170
GI	6815052	Score	287
Exons	6439..6649, 6714..6777, 7048..7170		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	35388	Seq. ID	OJ990518_12.9A15.C14

Gene No.	73156	Strand	+
Start	10932	End	18257
Name	OJ990518_12.9A15.C14.o4.gs	Method	GENSCAN
Start	10932	End	14868
GI	none	Score	.82
Exons	10932..10997, 11745..11924, 12214..12467, 13263..13539, 13781..13941, 14574..14667, 14674..14868		

Seq. No.	35388	Seq. ID	OJ990518_12.9A15.C14
Gene No.	73156	Strand	+
Start	10932	End	18257
Name	OJ990518_12.9A15.C14.o2.np	Method	AAT/NAP
Start	14189	End	18257
GI	6063554	Score	540
Exons	14189..14232, 16483..16785, 16903..17098, 17424..17454, 18083..18257		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35388	Seq. ID	OJ990518_12.9A15.C14
Gene No.	73157	Strand	-
Start	4497	End	5761
Name	OJ990518_12.9A15.C14.o2.gs	Method	GENSCAN
Start	4497	End	5761
GI	none	Score	.74
Exons	4497..4567, 5704..5761		

Seq. No.	35388	Seq. ID	OJ990518_12.9A15.C14
Gene No.	73158	Strand	-
Start	7357	End	9080
Name	OJ990518_12.9A15.C14.o3.gs	Method	GENSCAN
Start	7357	End	9080
GI	none	Score	.68
Exons	7357..7445, 7469..7745, 8094..8252, 8907..9080		

Seq. No.	35388	Seq. ID	OJ990518_12.9A15.C14
Gene No.	73159	Strand	-
Start	16879	End	17202
Name	OJ990518_12.9A15.C14.o5.gs	Method	GENSCAN
Start	16879	End	17202
GI	none	Score	.88
Exons	16879..17202		

Seq. No.	35388	Seq. ID	OJ990518_12.9A15.C14
Gene No.	73160	Strand	-
Start	18619	End	18875
Name	OJ990518_12.9A15.C14.o2.gp	Method	AAT/GAP
Start	18619	End	18875
GI	61605_3.R1084	Score	431
Exons	18619..18875		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	35389	Seq. ID	OJ990518_12.9A15.C15
Gene No.	73161	Strand	+
Start	6349	End	7074

Name	OJ990518_12.9A15.C15.o1.np	Method	AAT/NAP
Start	6349	End	7074
GI	4680183	Score	759
Exons	6349..7074		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73162	Strand	+
Start	1	End	4899
Name	OJ990518_12.9A15.C16.o1.np	Method	AAT/NAP
Start	1	End	4896
GI	5922631	Score	6020
Exons	1..518, 561..719, 846..1767, 2374..4896		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73162	Strand	+
Start	1	End	4899
Name	OJ990518_12.9A15.C16.o1.gs	Method	GENSCAN
Start	67	End	4899
GI	none	Score	.42
Exons	67..263, 416..1312, 1344..1752, 1804..2320, 2522..2670, 2820..3050, 3339..4009, 4123..4300, 4313..4899		

Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73163	Strand	-
Start	5254	End	8184
Name	OJ990518_12.9A15.C16.o2.gs	Method	GENSCAN
Start	5254	End	8184
GI	none	Score	.69
Exons	5254..5705, 5777..5893, 5954..6143, 6520..6844, 6926..7146, 7300..8184		

Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73163	Strand	-
Start	5254	End	8184
Name	OJ990518_12.9A15.C16.o2.np	Method	AAT/NAP
Start	5257	End	8184
GI	6691716	Score	2828
Exons	5257..5705, 5777..5893, 6044..6143, 6215..6402, 6480..6656, 6733..6844, 6926..7104, 7300..8184		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73164	Strand	-
Start	13359	End	13517
Name	OJ990518_12.9A15.C16.o8.tw	Method	TBLASTX:Wheat
Start	102	End	383
GI	none	Score	228

Exons	102..383, 131..187, 132..236, 257..382, 279..383		
Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73164	Strand	-
Start	13359	End	13517
Name	OJ990518_12.9A15.C16.o5.tw	Method	TBLASTX:Wheat
Start	1112	End	1564
GI	none	Score	139
Exons	1112..1288, 1337..1564, 1338..1562		
Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73164	Strand	-
Start	13359	End	13517
Name	OJ990518_12.9A15.C16.o1.tw	Method	TBLASTX:Wheat
Start	1784	End	2240
GI	none	Score	493
Exons	1784..2239, 1785..2240		
Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73164	Strand	-
Start	13359	End	13517
Name	OJ990518_12.9A15.C16.o2.ts	Method	TBLASTX:Soybean
Start	1824	End	2189
GI	none	Score	132
Exons	1824..2048, 2055..2189		
Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73164	Strand	-
Start	13359	End	13517
Name	OJ990518_12.9A15.C16.o2.tm	Method	TBLASTX:Maize
Start	1914	End	2270
GI	none	Score	370
Exons	1914..2270, 1955..2260		
Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73164	Strand	-
Start	13359	End	13517
Name	OJ990518_12.9A15.C16.o6.tw	Method	TBLASTX:Wheat
Start	2240	End	2558
GI	none	Score	323
Exons	2240..2557, 2241..2558		
Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73164	Strand	-
Start	13359	End	13517
Name	OJ990518_12.9A15.C16.o3.tm	Method	TBLASTX:Maize
Start	2298	End	2666
GI	none	Score	284
Exons	2298..2666, 2378..2608		
Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73164	Strand	-
Start	13359	End	13517
Name	OJ990518_12.9A15.C16.o3.ts	Method	TBLASTX:Soybean
Start	2403	End	2788
GI	none	Score	192
Exons	2403..2705, 2450..2593, 2660..2788		

Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73164	Strand	-
Start	13359	End	13517
Name	OJ990518_12.9A15.C16.o3.tw	Method	TBLASTX:Wheat
Start	2896	End	3349
GI	none	Score	237
Exons	2896..2949, 2909..3166, 2941..3186, 2942..3172, 3202..3348, 3203..3349		

Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73164	Strand	-
Start	13359	End	13517
Name	OJ990518_12.9A15.C16.o1.ts	Method	TBLASTX:Soybean
Start	3059	End	3447
GI	none	Score	90
Exons	3059..3163, 3067..3279, 3215..3445, 3328..3447		

Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73164	Strand	-
Start	13359	End	13517
Name	OJ990518_12.9A15.C16.o5.tm	Method	TBLASTX:Maize
Start	3121	End	3394
GI	none	Score	125
Exons	3121..3291, 3122..3292, 3296..3394, 3328..3393		

Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73164	Strand	-
Start	13359	End	13517
Name	OJ990518_12.9A15.C16.o7.tw	Method	TBLASTX:Wheat
Start	3350	End	3711
GI	none	Score	272
Exons	3350..3661, 3358..3711		

Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73164	Strand	-
Start	13359	End	13517
Name	OJ990518_12.9A15.C16.o1.tm	Method	TBLASTX:Maize
Start	3809	End	4164
GI	none	Score	182
Exons	3809..3967, 3823..3966, 3942..4127, 3949..4128, 4117..4164		

Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73164	Strand	-
Start	13359	End	13517
Name	OJ990518_12.9A15.C16.o4.tw	Method	TBLASTX:Wheat
Start	3809	End	4196
GI	none	Score	162
Exons	3809..3967, 3942..4118, 3952..4194, 4003..4185, 4149..4196		

Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73164	Strand	-
Start	13359	End	13517
Name	OJ990518_12.9A15.C16.o6.tm	Method	TBLASTX:Maize
Start	4267	End	4539
GI	none	Score	90
Exons	4267..4365, 4360..4443, 4453..4539		

Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73164	Strand	-
Start	13359	End	13517
Name	OJ990518_12.9A15.C16.o2.tw	Method	TBLASTX:Wheat
Start	4309	End	4917
GI	none	Score	276
Exons	4309..4623, 4329..4418, 4470..4571, 4624..4797, 4783..4917		

Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73164	Strand	-
Start	13359	End	13517
Name	OJ990518_12.9A15.C16.o4.tm	Method	TBLASTX:Maize
Start	4627	End	4881
GI	none	Score	157
Exons	4627..4800, 4674..4799, 4779..4880, 4780..4881		

Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73164	Strand	-
Start	13359	End	13517
Name	OJ990518_12.9A15.C16.o9.tw	Method	TBLASTX:Wheat
Start	7774	End	8091
GI	none	Score	53
Exons	7774..8091, 7811..7924		

Seq. No.	35390	Seq. ID	OJ990518_12.9A15.C16
Gene No.	73164	Strand	-
Start	13359	End	13517
Name	OJ990518_12.9A15.C16.o3.gs	Method	GENSCAN
Start	13359	End	13517
GI	none	Score	.8
Exons	13359..13517		

Seq. No.	35391	Seq. ID	OJ990518_12.9A15.C17
Gene No.	73165	Strand	+
Start	1	End	8311
Name	OJ990518_12.9A15.C17.o1.np	Method	AAT/NAP
Start	1	End	8311
GI	2924431	Score	77
Exons	1..41, 3831..4188, 4271..4347, 8105..8311		
GI Descrip.	(AL022022) hypothetical protein Rv3494c [Mycobacterium tuberculosis]		

Seq. No.	35391	Seq. ID	OJ990518_12.9A15.C17
Gene No.	73166	Strand	+
Start	12955	End	13771
Name	OJ990518_12.9A15.C17.o2.tm	Method	TBLASTX:Maize
Start	1013	End	1380
GI	none	Score	266
Exons	1013..1138, 1014..1196, 1134..1223, 1254..1358, 1339..1380		

Seq. No.	35391	Seq. ID	OJ990518_12.9A15.C17
Gene No.	73166	Strand	+
Start	12955	End	13771
Name	OJ990518_12.9A15.C17.o1.tm	Method	TBLASTX:Maize
Start	7033	End	7479
GI	none	Score	663

Exons	7033..7479, 7035..7478		
Seq. No.	35391	Seq. ID	OJ990518_12.9A15.C17
Gene No.	73166	Strand	+
Start	12955	End	13771
Name	OJ990518_12.9A15.C17.o3.gs	Method	GENSCAN
Start	12955	End	13771
GI	none	Score	.5
Exons	12955..12993, 13408..13524, 13625..13771		
Seq. No.	35392	Seq. ID	OJ990518_12.9A15.C22
Gene No.	73167	Strand	-
Start	1	End	681
Name	OJ990518_12.9A15.C22.o1.np	Method	AAT/NAP
Start	1	End	681
GI	6063554	Score	287
Exons	1..262, 380..681		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	35392	Seq. ID	OJ990518_12.9A15.C22
Gene No.	73167	Strand	-
Start	1	End	681
Name	OJ990518_12.9A15.C22.o1.gs	Method	GENSCAN
Start	54	End	265
GI	none	Score	.97
Exons	54..265		
Seq. No.	35393	Seq. ID	OJ990518_12.9A15.C25
Gene No.	73168	Strand	-
Start	445	End	764
Name	OJ990518_12.9A15.C25.o1.np	Method	AAT/NAP
Start	445	End	764
GI	6063554	Score	249
Exons	445..764		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	35394	Seq. ID	OJ990518_12.9A15.C26
Gene No.	73169	Strand	+
Start	293	End	353
Name	OJ990518_12.9A15.C26.o1.gp	Method	AAT/GAP
Start	293	End	353
GI	LIB3477-003-P1-K1-E9	Score	81
Exons	293..353		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	35395	Seq. ID	OJ990518_12.9A15.C27
Gene No.	73170	Strand	-
Start	1	End	169
Name	OJ990518_12.9A15.C27.o1.np	Method	AAT/NAP
Start	1	End	169
GI	6063554	Score	107

Exons	1..169		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	35396	Seq. ID	OJ990518_12.9A15.C28
Gene No.	73171	Strand	+
Start	1	End	331
Name	OJ990518_12.9A15.C28.o1.gp	Method	AAT/GAP
Start	1	End	331
GI	61605_3.R1084	Score	116
Exons	1..36, 251..331		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	35397	Seq. ID	OJ990518_12.9A15.C31
Gene No.	73172	Strand	+
Start	1	End	2237
Name	OJ990518_12.9A15.C31.o1.np	Method	AAT/NAP
Start	1	End	2237
GI	3193302	Score	1227
Exons	1..1851, 2203..2237		
GI Descrip.	(AF069298) contains similarity to a protein kinase domain (Pfam: pkinase.hmm, score: 166.20) and to legume lectins beta domain (Pfam: lectin_legB.hmm, score: 139.32) [Arabidopsis thaliana]		
Seq. No.	35397	Seq. ID	OJ990518_12.9A15.C31
Gene No.	73172	Strand	+
Start	1	End	2237
Name	OJ990518_12.9A15.C31.o1.gs	Method	GENSCAN
Start	2	End	2061
GI	none	Score	.82
Exons	2..930, 990..1866, 1918..2061		
Seq. No.	35397	Seq. ID	OJ990518_12.9A15.C31
Gene No.	73172	Strand	+
Start	1	End	2237
Name	OJ990518_12.9A15.C31.o2.ts	Method	TBLASTX:Soybean
Start	119	End	682
GI	none	Score	150
Exons	119..286, 239..352, 256..339, 359..496, 364..495, 563..610, 659..682		
Seq. No.	35397	Seq. ID	OJ990518_12.9A15.C31
Gene No.	73172	Strand	+
Start	1	End	2237
Name	OJ990518_12.9A15.C31.o2.tm	Method	TBLASTX:Maize
Start	124	End	496
GI	none	Score	125
Exons	124..225, 125..232, 248..496, 305..445, 313..495		
Seq. No.	35397	Seq. ID	OJ990518_12.9A15.C31
Gene No.	73172	Strand	+
Start	1	End	2237
Name	OJ990518_12.9A15.C31.o1.tc	Method	TBLASTX:Cress
Start	125	End	1845
GI	none	Score	102

Exons	125..232, 245..496, 310..495, 572..610, 668..769, 985..1086, 1105..1290, 1107..1178, 1245..1280, 1315..1626, 1383..1571, 1666..1845		
Seq. No.	35397	Seq. ID	OJ990518_12.9A15.C31
Gene No.	73172	Strand	+
Start	1	End	2237
Name	OJ990518_12.9A15.C31.o3.tm	Method	TBLASTX:Maize
Start	649	End	819
GI	none	Score	172
Exons	649..819, 659..784		
Seq. No.	35397	Seq. ID	OJ990518_12.9A15.C31
Gene No.	73172	Strand	+
Start	1	End	2237
Name	OJ990518_12.9A15.C31.o1.ts	Method	TBLASTX:Soybean
Start	1003	End	1527
GI	none	Score	104
Exons	1003..1107, 1098..1289, 1099..1290, 1315..1527, 1336..1431, 1473..1526		
Seq. No.	35397	Seq. ID	OJ990518_12.9A15.C31
Gene No.	73172	Strand	+
Start	1	End	2237
Name	OJ990518_12.9A15.C31.o1.tw	Method	TBLASTX:Wheat
Start	1030	End	1470
GI	none	Score	69
Exons	1030..1107, 1098..1286, 1099..1290, 1309..1470		
Seq. No.	35397	Seq. ID	OJ990518_12.9A15.C31
Gene No.	73172	Strand	+
Start	1	End	2237
Name	OJ990518_12.9A15.C31.o1.tm	Method	TBLASTX:Maize
Start	1059	End	1626
GI	none	Score	39
Exons	1059..1082, 1060..1083, 1101..1202, 1105..1293, 1245..1292, 1294..1626, 1309..1473, 1386..1568		
Seq. No.	35398	Seq. ID	OJ990518_12.9A15.C32
Gene No.	73173	Strand	+
Start	110	End	211
Name	OJ990518_12.9A15.C32.o1.gs	Method	GENSCAN
Start	110	End	211
GI	none	Score	69
Exons	110..211		
Seq. No.	35399	Seq. ID	OJ990518_12.9A15.C33
Gene No.	73174	Strand	-
Start	1	End	977
Name	OJ990518_12.9A15.C33.o1.np	Method	AAT/NAP
Start	1	End	977
GI	6016874	Score	589
Exons	1..52, 170..349, 743..977		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	35399	Seq. ID	OJ990518_12.9A15.C33
Gene No.	73174	Strand	-
Start	1	End	977
Name	OJ990518_12.9A15.C33.o1.tm	Method	TBLASTX:Maize
Start	130	End	482
GI	none	Score	136
Exons	130..471, 201..482		

Seq. No.	35399	Seq. ID	OJ990518_12.9A15.C33
Gene No.	73174	Strand	-
Start	1	End	977
Name	OJ990518_12.9A15.C33.o1.gs	Method	GENSCAN
Start	170	End	860
GI	none	Score	.67
Exons	170..349, 743..860		

Seq. No.	35399	Seq. ID	OJ990518_12.9A15.C33
Gene No.	73174	Strand	-
Start	1	End	977
Name	OJ990518_12.9A15.C33.o2.tm	Method	TBLASTX:Maize
Start	687	End	914
GI	none	Score	108
Exons	687..914, 688..906		

Seq. No.	35399	Seq. ID	OJ990518_12.9A15.C33
Gene No.	73174	Strand	-
Start	1	End	977
Name	OJ990518_12.9A15.C33.o1.gp	Method	AAT/GAP
Start	692	End	977
GI	uC-osflcyp110c07b1	Score	532
Exons	692..977		
GI Descrip.	'4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	35400	Seq. ID	OJ990518_12.9A15.C34
Gene No.	73175	Strand	+
Start	664	End	984
Name	OJ990518_12.9A15.C34.o1.gp	Method	AAT/GAP
Start	664	End	984
GI	2428185	Score	587
Exons	664..984		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	35400	Seq. ID	OJ990518_12.9A15.C34
Gene No.	73176	Strand	-
Start	309	End	461
Name	OJ990518_12.9A15.C34.o1.gs	Method	GENSCAN
Start	309	End	461
GI	none	Score	.61
Exons	309..461		

Seq. No.	35400	Seq. ID	OJ990518_12.9A15.C34
Gene No.	73177	Strand	-
Start	1000	End	1124
Name	OJ990518_12.9A15.C34.o2.gp	Method	AAT/GAP

Start	1000	End	1124
GI	101153_1.R1084	Score	204
Exons	1000..1124		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	35401	Seq. ID	OJ990518_12.9A15.C36
Gene No.	73178	Strand	
Start	8	End	219
Name	OJ990518_12.9A15.C36.o1.tw	Method	TBLASTX:Wheat
Start	8	End	219
GI	none	Score	50
Exons	8..58, 18..56, 50..169, 54..170, 54..170, 55..171, 177..218, 177..218, 178..219		

Seq. No.	35402	Seq. ID	OJ990518_12.9A15.C37
Gene No.	73179	Strand	-
Start	1336	End	1823
Name	OJ990518_12.9A15.C37.o1.gs	Method	GENSCAN
Start	1336	End	1823
GI	none	Score	.97
Exons	1336..1409, 1814..1823		

Seq. No.	35403	Seq. ID	OJ990518_12.9A15.C38
Gene No.	73180	Strand	+
Start	357	End	574
Name	OJ990518_12.9A15.C38.o1.gs	Method	GENSCAN
Start	357	End	574
GI	none	Score	.65
Exons	357..574		

Seq. No.	35404	Seq. ID	OJ990518_12.9A15.C39
Gene No.	73181	Strand	+
Start	1	End	446
Name	OJ990518_12.9A15.C39.o1.np	Method	AAT/NAP
Start	1	End	446
GI	4140712	Score	749
Exons	1..446		
GI Descrip.	(AF110183) putative integrase [Oryza sativa]		

Seq. No.	35404	Seq. ID	OJ990518_12.9A15.C39
Gene No.	73181	Strand	+
Start	1	End	446
Name	OJ990518_12.9A15.C39.o1.tw	Method	TBLASTX:Wheat
Start	11	End	381
GI	none	Score	152
Exons	11..178, 95..187, 169..333, 170..376, 177..377, 178..381		

Seq. No.	35404	Seq. ID	OJ990518_12.9A15.C39
Gene No.	73181	Strand	+
Start	1	End	446
Name	OJ990518_12.9A15.C39.o1.ts	Method	TBLASTX:Soybean
Start	174	End	429
GI	none	Score	291
Exons	174..428, 181..429, 301..429		

Seq. No.	35404	Seq. ID	OJ990518_12.9A15.C39

Gene No.	73181	Strand	+
Start	1	End	446
Name	OJ990518_12.9A15.C39.o1.tm	Method	TBLASTX:Maize
Start	189	End	432
GI	none	Score	115
Exons	189..380, 189..428, 190..432		

Seq. No.	35405	Seq. ID	OJ990518_12.9A15.C41
Gene No.	73182	Strand	+
Start	87	End	1051
Name	OJ990518_12.9A15.C41.o1.np	Method	AAT/NAP
Start	87	End	1051
GI	6907088	Score	639
Exons	87..329, 833..1051		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	35406	Seq. ID	OJ990518_12.9A15.C42
Gene No.	73183	Strand	-
Start	33	End	86
Name	OJ990518_12.9A15.C42.o1.gs	Method	GENSCAN
Start	33	End	86
GI	none	Score	.74
Exons	33..86		

Seq. No.	35407	Seq. ID	OJ990518_12.9A15.C43
Gene No.	73184	Strand	+
Start	224	End	744
Name	OJ990518_12.9A15.C43.o1.gp	Method	AAT/GAP
Start	224	End	744
GI	15912_1.R1084	Score	997
Exons	224..744		
GI Descrip.	'1184321/gb\|U46017\|CVU46017 3.0e-09 Cloning vector pCRSCRIPT SK[+], complete sequence'		

Seq. No.	35407	Seq. ID	OJ990518_12.9A15.C43
Gene No.	73184	Strand	+
Start	224	End	744
Name	OJ990518_12.9A15.C43.o1.gs	Method	GENSCAN
Start	291	End	599
GI	none	Score	.68
Exons	291..599		

Seq. No.	35408	Seq. ID	OJ990518_12.9A15.C44
Gene No.	73185	Strand	-
Start	175	End	548
Name	OJ990518_12.9A15.C44.o1.gp	Method	AAT/GAP
Start	175	End	548
GI	5038930	Score	710
Exons	175..548		

Seq. No.	35409	Seq. ID	OJ990428_12.9A14.C2
Gene No.	73186	Strand	-
Start	1	End	2696
Name	OJ990428_12.9A14.C2.o1.np	Method	AAT/NAP
Start	1	End	2696
GI	3004552	Score	771
Exons	1..204, 278..356, 426..592, 730..774, 912..1052, 1188..1265,		

1945..2063, 2144..2696
GI Descrip. (AC003673) unknown protein [Arabidopsis thaliana]

Seq. No.	35409	Seq. ID	OJ990428_12.9A14.C2
Gene No.	73186	Strand	-
Start	1	End	2696
Name	OJ990428_12.9A14.C2.o1.gs	Method	GENSCAN
Start	122	End	2567
GI	none	Score	.77
Exons	122..204, 278..356, 426..592, 730..774, 912..1052, 1188..1265, 1945..2063, 2240..2567		

Seq. No.	35409	Seq. ID	OJ990428_12.9A14.C2
Gene No.	73186	Strand	-
Start	1	End	2696
Name	OJ990428_12.9A14.C2.o1.tc	Method	TBLASTX:Cress
Start	269	End	586
GI	none	Score	68
Exons	269..361, 279..359, 425..586		

Seq. No.	35409	Seq. ID	OJ990428_12.9A14.C2
Gene No.	73186	Strand	-
Start	1	End	2696
Name	OJ990428_12.9A14.C2.o1.tm	Method	TBLASTX:Maize
Start	727	End	2276
GI	none	Score	79
Exons	727..795, 727..777, 732..782, 906..1058, 909..1040, 910..1053, 1185..1265, 1186..1266, 1190..1300, 1939..2064, 1942..2070, 1946..2080, 2142..2207, 2143..2205, 2143..2208, 2208..2270, 2208..2276		

Seq. No.	35410	Seq. ID	OJ990428_12.9A14.C3
Gene No.	73187	Strand	+
Start	1	End	1549
Name	OJ990428_12.9A14.C3.o2.np	Method	AAT/NAP
Start	1	End	1549
GI	3152583	Score	171
Exons	1..33, 977..1549		
GI Descrip.	(AC002986) Contains similarity to inhibitor of apoptosis protein gb\|U45881 from D. melanogaster. [Arabidopsis thaliana]		

Seq. No.	35410	Seq. ID	OJ990428_12.9A14.C3
Gene No.	73188	Strand	-
Start	1	End	258
Name	OJ990428_12.9A14.C3.o1.np	Method	AAT/NAP
Start	1	End	258
GI	3004552	Score	150
Exons	1..54, 139..258		
GI Descrip.	(AC003673) unknown protein [Arabidopsis thaliana]		

Seq. No.	35410	Seq. ID	OJ990428_12.9A14.C3
Gene No.	73189	Strand	
Start	1016	End	1294
Name	OJ990428_12.9A14.C3.o1.tm	Method	TBLASTX:Maize
Start	1016	End	1294
GI	none	Score	230
Exons	1016..1273, 1140..1202, 1205..1294		

Seq. No.	35411	Seq. ID	OJ990428_12.9A14.C4
Gene No.	73190	Strand	+
Start	3011	End	3477
Name	OJ990428_12.9A14.C4.o1.gp	Method	AAT/GAP
Start	3011	End	3477
GI	60332_1.R1084	Score	881
Exons	3011..3477		
GI Descrip.	'5262216/emb\|CAB45842.1\| 1.0e-38 (AL080254) cell-cell signaling protein csgA-like [Arabidopsis thaliana]'		

Seq. No.	35412	Seq. ID	OJ990428_12.9A14.C5
Gene No.	73191	Strand	+
Start	262	End	479
Name	OJ990428_12.9A14.C5.o1.gs	Method	GENSCAN
Start	262	End	479
GI	none	Score	.68
Exons	262..479		

Seq. No.	35413	Seq. ID	OJ990428_12.9A14.C6
Gene No.	73192	Strand	+
Start	153	End	2301
Name	OJ990428_12.9A14.C6.o1.gs	Method	GENSCAN
Start	153	End	2301
GI	none	Score	.59
Exons	153..283, 370..522, 1409..1502, 1602..1684, 2170..2301		

Seq. No.	35413	Seq. ID	OJ990428_12.9A14.C6
Gene No.	73192	Strand	+
Start	153	End	2301
Name	OJ990428_12.9A14.C6.o1.np	Method	AAT/NAP
Start	204	End	554
GI	5262215	Score	83
Exons	204..330, 379..554		
GI Descrip.	(AL080254) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35413	Seq. ID	OJ990428_12.9A14.C6
Gene No.	73192	Strand	+
Start	153	End	2301
Name	OJ990428_12.9A14.C6.o2.np	Method	AAT/NAP
Start	1550	End	2298
GI	5262216	Score	573
Exons	1550..1684, 1796..1949, 2069..2298		
GI Descrip.	(AL080254) cell-cell signaling protein csgA-like [Arabidopsis thaliana]		

Seq. No.	35413	Seq. ID	OJ990428_12.9A14.C6
Gene No.	73192	Strand	+
Start	153	End	2301
Name	OJ990428_12.9A14.C6.o1.gp	Method	AAT/GAP
Start	1613	End	2092
GI	702998	Score	449
Exons	1613..1684, 1796..1949, 2069..2092		
GI Descrip.	5262216/emb\|CAB45842.1\| 1.0e-38 (AL080254) cell-cell signaling protein csgA-like [Arabidopsis thaliana]		

Seq. No.	35413	Seq. ID	OJ990428_12.9A14.C6

Gene No.	73192	Strand	+
Start	153	End	2301
Name	OJ990428_12.9A14.C6.o3.gp	Method	AAT/GAP
Start	1791	End	2272
GI	702998	Score	611
Exons	1791..1949, 2069..2272		
GI Descrip.	5262216/emb\|CAB45842.1\| 1.0e-38 (AL080254) cell-cell signaling protein csgA-like [Arabidopsis thaliana]		

Seq. No.	35413	Seq. ID	OJ990428_12.9A14.C6
Gene No.	73192	Strand	+
Start	153	End	2301
Name	OJ990428_12.9A14.C6.o2.gp	Method	AAT/GAP
Start	1796	End	2203
GI	702998	Score	505
Exons	1796..1949, 2069..2203		
GI Descrip.	5262216/emb\|CAB45842.1\| 1.0e-38 (AL080254) cell-cell signaling protein csgA-like [Arabidopsis thaliana]		

Seq. No.	35413	Seq. ID	OJ990428_12.9A14.C6
Gene No.	73193	Strand	-
Start	2404	End	2822
Name	OJ990428_12.9A14.C6.o1.ts	Method	TBLASTX:Soybean
Start	370	End	2301
GI	none	Score	112
Exons	370..522, 1406..1501, 1406..1501, 1408..1515, 1408..1515, 1600..1683, 1601..1684, 1784..1948, 1795..1950, 2097..2225, 2097..2300, 2098..2301		

Seq. No.	35413	Seq. ID	OJ990428_12.9A14.C6
Gene No.	73193	Strand	-
Start	2404	End	2822
Name	OJ990428_12.9A14.C6.o1.tc	Method	TBLASTX:Cress
Start	1624	End	2241
GI	none	Score	88
Exons	1624..1680, 1625..1684, 1784..1948, 1795..1953, 2068..2127, 2073..2180, 2098..2196, 2183..2227, 2188..2241, 2191..2241		

Seq. No.	35413	Seq. ID	OJ990428_12.9A14.C6
Gene No.	73193	Strand	-
Start	2404	End	2822
Name	OJ990428_12.9A14.C6.o1.tm	Method	TBLASTX:Maize
Start	2176	End	2301
GI	none	Score	197
Exons	2176..2301, 2178..2300		

Seq. No.	35413	Seq. ID	OJ990428_12.9A14.C6
Gene No.	73193	Strand	-
Start	2404	End	2822
Name	OJ990428_12.9A14.C6.o2.gs	Method	GENSCAN
Start	2404	End	2822
GI	none	Score	.75
Exons	2404..2525, 2716..2822		

Seq. No.	35414	Seq. ID	OJ990428_12.9A14.C7
Gene No.	73194	Strand	+
Start	4173	End	5474

Name	OJ990428_12.9A14.C7.o2.gs	Method	GENSCAN
Start	4173	End	5474
GI	none	Score	.45
Exons	4173..4246, 5279..5474		

Seq. No.	35414	Seq. ID	OJ990428_12.9A14.C7
Gene No.	73195	Strand	+
Start	6273	End	11633
Name	OJ990428_12.9A14.C7.o3.gs	Method	GENSCAN
Start	6273	End	11633
GI	none	Score	.63
Exons	6273..6973, 7008..7095, 7911..8192, 8315..8608, 8704..9050, 9059..9162, 10123..10558, 11282..11633		

Seq. No.	35414	Seq. ID	OJ990428_12.9A14.C7
Gene No.	73196	Strand	-
Start	80	End	905
Name	OJ990428_12.9A14.C7.o1.gs	Method	GENSCAN
Start	80	End	905
GI	none	Score	.75
Exons	80..513, 788..905		

Seq. No.	35414	Seq. ID	OJ990428_12.9A14.C7
Gene No.	73196	Strand	-
Start	80	End	905
Name	OJ990428_12.9A14.C7.o1.np	Method	AAT/NAP
Start	186	End	391
GI	3193284	Score	63
Exons	186..391		
GI Descrip.	(AF069298) No definition line found [Arabidopsis thaliana]		

Seq. No.	35414	Seq. ID	OJ990428_12.9A14.C7
Gene No.	73197	Strand	-
Start	12779	End	12998
Name	OJ990428_12.9A14.C7.o1.tw	Method	TBLASTX:Wheat
Start	6807	End	7089
GI	none	Score	68
Exons	6807..6866, 6823..6867, 6855..6956, 6972..7088, 6977..7042, 6991..7089		

Seq. No.	35414	Seq. ID	OJ990428_12.9A14.C7
Gene No.	73197	Strand	-
Start	12779	End	12998
Name	OJ990428_12.9A14.C7.o4.gs	Method	GENSCAN
Start	12779	End	12998
GI	none	Score	.72
Exons	12779..12998		

Seq. No.	35415	Seq. ID	OJ990428_12.9A14.C8
Gene No.	73198	Strand	+
Start	218	End	414
Name	OJ990428_12.9A14.C8.o1.gs	Method	GENSCAN
Start	218	End	414
GI	none	Score	.67
Exons	218..414		

Seq. No.	35415	Seq. ID	OJ990428_12.9A14.C8

Gene No.	73199	Strand	+
Start	739	End	3873
Name	OJ990428_12.9A14.C8.o1.np	Method	AAT/NAP
Start	739	End	3873
GI	3193302	Score	686
Exons	739..823, 2816..3873		
GI Descrip.	(AF069298) contains similarity to a protein kinase domain (Pfam: pkinase.hmm, score: 166.20) and to legume lectins beta domain (Pfam: lectin_legB.hmm, score: 139.32) [Arabidopsis thaliana]		

Seq. No.	35415	Seq. ID	OJ990428_12.9A14.C8
Gene No.	73199	Strand	+
Start	739	End	3873
Name	OJ990428_12.9A14.C8.o2.gs	Method	GENSCAN
Start	1853	End	3664
GI	none	Score	1
Exons	1853..3664		

Seq. No.	35415	Seq. ID	OJ990428_12.9A14.C8
Gene No.	73199	Strand	+
Start	739	End	3873
Name	OJ990428_12.9A14.C8.o1.tc	Method	TBLASTX:Cress
Start	2861	End	3747
GI	none	Score	623
Exons	2861..3514, 2941..3033, 3139..3510, 3197..3511, 3573..3746, 3643..3747		

Seq. No.	35415	Seq. ID	OJ990428_12.9A14.C8
Gene No.	73199	Strand	+
Start	739	End	3873
Name	OJ990428_12.9A14.C8.o1.ts	Method	TBLASTX:Soybean
Start	2861	End	3505
GI	none	Score	501
Exons	2861..3505		

Seq. No.	35415	Seq. ID	OJ990428_12.9A14.C8
Gene No.	73199	Strand	+
Start	739	End	3873
Name	OJ990428_12.9A14.C8.o1.tw	Method	TBLASTX:Wheat
Start	2927	End	3346
GI	none	Score	315
Exons	2927..3346		

Seq. No.	35415	Seq. ID	OJ990428_12.9A14.C8
Gene No.	73199	Strand	+
Start	739	End	3873
Name	OJ990428_12.9A14.C8.o1.tm	Method	TBLASTX:Maize
Start	2950	End	3514
GI	none	Score	226
Exons	2950..3048, 2951..3172, 3139..3168, 3191..3514, 3239..3412, 3346..3513		

Seq. No.	35416	Seq. ID	OJ990428_12.9A14.C9
Gene No.	73200	Strand	+
Start	1	End	706
Name	OJ990428_12.9A14.C9.o1.np	Method	AAT/NAP
Start	1	End	706

GI	3004552	Score	242
Exons	1..132, 367..706		
GI Descrip.	(AC003673) unknown protein [Arabidopsis thaliana]		

Seq. No.	35417	Seq. ID	OJ990428_12.9A14.C10
Gene No.	73201	Strand	-
Start	744	End	1234
Name	OJ990428_12.9A14.C10.o1.np	Method	AAT/NAP
Start	733	End	1234
GI	6729489	Score	255
Exons	733..1234		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	35417	Seq. ID	OJ990428_12.9A14.C10
Gene No.	73201	Strand	-
Start	744	End	1234
Name	OJ990428_12.9A14.C10.o1.gs	Method	GENSCAN
Start	744	End	1226
GI	none	Score	.96
Exons	744..1226		

Seq. No.	35417	Seq. ID	OJ990428_12.9A14.C10
Gene No.	73201	Strand	-
Start	744	End	1234
Name	OJ990428_12.9A14.C10.o1.tm	Method	TBLASTX:Maize
Start	852	End	1232
GI	none	Score	84
Exons	852..1088, 948..1085, 1116..1232		

Seq. No.	35417	Seq. ID	OJ990428_12.9A14.C10
Gene No.	73201	Strand	-
Start	744	End	1234
Name	OJ990428_12.9A14.C10.o1.tc	Method	TBLASTX:Cress
Start	879	End	1233
GI	none	Score	58
Exons	879..1082, 886..984, 1104..1232, 1126..1233		

Seq. No.	35417	Seq. ID	OJ990428_12.9A14.C10
Gene No.	73201	Strand	-
Start	744	End	1234
Name	OJ990428_12.9A14.C10.o1.ts	Method	TBLASTX:Soybean
Start	888	End	1220
GI	none	Score	81
Exons	888..1112, 948..1082, 1093..1173, 1125..1220		

Seq. No.	35418	Seq. ID	OJ990428_12.9A14.C11
Gene No.	73202	Strand	-
Start	415	End	563
Name	OJ990428_12.9A14.C11.o1.gs	Method	GENSCAN
Start	415	End	563
GI	none	Score	.53
Exons	415..563		

Seq. No.	35419	Seq. ID	OJ990428_12.9A14.C12
Gene No.	73203	Strand	+
Start	120	End	556

Name	OJ990428_12.9A14.C12.o1.gs	Method	GENSCAN
Start	120	End	556
GI	none	Score	.81
Exons	120..233, 296..556		

Seq. No.	35420	Seq. ID	OJ990428_12.9A14.C13
Gene No.	73204	Strand	-
Start	1	End	959
Name	OJ990428_12.9A14.C13.o1.np	Method	AAT/NAP
Start	1	End	959
GI	3142294	Score	772
Exons	1..179, 272..490, 571..851, 905..959		
GI Descrip.	(AC002411) Strong similarity to initiation factor eIF-2, gb\|U37354 from S. pombe. ESTs gb\|T41979, gb\|N37284 and gb\|N37529 come from this gene. [Arabidopsis thaliana]		

Seq. No.	35420	Seq. ID	OJ990428_12.9A14.C13
Gene No.	73204	Strand	-
Start	1	End	959
Name	OJ990428_12.9A14.C13.o1.gp	Method	AAT/GAP
Start	63	End	474
GI	504_1_R1084	Score	585
Exons	63..179, 272..474		
GI Descrip.	'3142294 2.0e-70 (AC002411) Strong similarity to initiation factor eIF-2, gb_U37354 from S. pombe. ESTs gb_T41979, gb_N37284 and gb_N37529 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	35420	Seq. ID	OJ990428_12.9A14.C13
Gene No.	73204	Strand	-
Start	1	End	959
Name	OJ990428_12.9A14.C13.o1.tm	Method	TBLASTX:Maize
Start	63	End	818
GI	none	Score	139
Exons	63..179, 63..188, 64..186, 272..490, 273..494, 274..492, 563..799, 571..798, 591..818		

Seq. No.	35420	Seq. ID	OJ990428_12.9A14.C13
Gene No.	73204	Strand	-
Start	1	End	959
Name	OJ990428_12.9A14.C13.o1.ts	Method	TBLASTX:Soybean
Start	63	End	846
GI	none	Score	124
Exons	63..188, 64..186, 264..473, 272..490, 273..491, 275..493, 544..795, 560..805, 571..846, 575..799		

Seq. No.	35420	Seq. ID	OJ990428_12.9A14.C13
Gene No.	73204	Strand	-
Start	1	End	959
Name	OJ990428_12.9A14.C13.o1.tc	Method	TBLASTX:Cress
Start	87	End	693
GI	none	Score	67
Exons	87..155, 88..156, 159..188, 160..180, 264..473, 272..487, 276..488, 574..693, 575..691		

Seq. No.	35420	Seq. ID	OJ990428_12.9A14.C13
Gene No.	73204	Strand	-

Start	1	End	959
Name	OJ990428_12.9A14.C13.o1.gs	Method	GENSCAN
Start	272	End	798
GI	none	Score	.78
Exons	272..490, 571..798		

Seq. No.	35420	Seq. ID	OJ990428_12.9A14.C13
Gene No.	73204	Strand	-
Start	1	End	959
Name	OJ990428_12.9A14.C13.o1.tw	Method	TBLASTX:Wheat
Start	618	End	816
GI	none	Score	265
Exons	618..791, 619..816, 620..793		

Seq. No.	35421	Seq. ID	OJ990428_12.9A14.C14
Gene No.	73205	Strand	+
Start	262	End	342
Name	OJ990428_12.9A14.C14.o1.gs	Method	GENSCAN
Start	262	End	342
GI	none	Score	.45
Exons	262..342		

Seq. No.	35422	Seq. ID	OJ990428_12.9A14.C15
Gene No.	73206	Strand	-
Start	190	End	312
Name	OJ990428_12.9A14.C15.o1.gs	Method	GENSCAN
Start	190	End	312
GI	none	Score	.99
Exons	190..312		

Seq. No.	35423	Seq. ID	OJ990428_12.9A14.C18
Gene No.	73207	Strand	+
Start	91	End	499
Name	OJ990428_12.9A14.C18.o1.gp	Method	AAT/GAP
Start	91	End	499
GI	none	Score	687
Exons	91..499		

Seq. No.	35423	Seq. ID	OJ990428_12.9A14.C18
Gene No.	73208	Strand	+
Start	415	End	1284
Name	OJ990428_12.9A14.C18.o1.gs	Method	GENSCAN
Start	415	End	1284
GI	none	Score	.51
Exons	415..597, 646..762, 971..1155, 1234..1284		

Seq. No.	35424	Seq. ID	OJ990428_12.9A14.C19
Gene No.	73209	Strand	
Start	35	End	816
Name	OJ990428_12.9A14.C19.o1.tm	Method	TBLASTX:Maize
Start	35	End	816
GI	none	Score	84
Exons	35..187, 43..144, 45..185, 46..168, 49..159, 50..160, 51..176, 54..179, 60..146, 196..312, 200..349, 205..306, 205..306, 206..352, 208..438, 209..439, 210..347, 210..353, 216..311, 229..315, 279..527, 296..532, 297..527, 368..535, 375..521, 384..530, 387..557, 387..440, 419..535, 422..532, 424..507,		

426..698, 431..541, 469..507, 541..663, 543..692, 549..683, 559..699, 577..699, 578..703, 583..687, 619..678, 694..816, 722..772, 758..805

Seq. No.	35425	Seq. ID	OJ990428_12.9A14.C22
Gene No.	73210	Strand	-
Start	1	End	565
Name	OJ990428_12.9A14.C22.o1.np	Method	AAT/NAP
Start	1	End	565
GI	3004552	Score	85
Exons	1..153, 389..565		
GI Descrip.	(AC003673) unknown protein [Arabidopsis thaliana]		

Seq. No.	35425	Seq. ID	OJ990428_12.9A14.C22
Gene No.	73210	Strand	-
Start	1	End	565
Name	OJ990428_12.9A14.C22.o1.gs	Method	GENSCAN
Start	79	End	480
GI	none	Score	.8
Exons	79..153, 389..480		

Seq. No.	35426	Seq. ID	OJ990428_12.9A14.C24
Gene No.	73211	Strand	-
Start	169	End	276
Name	OJ990428_12.9A14.C24.o1.gs	Method	GENSCAN
Start	169	End	276
GI	none	Score	.73
Exons	169..276		

Seq. No.	35427	Seq. ID	OJ990428_12.9A14.C25
Gene No.	73212	Strand	-
Start	111	End	710
Name	OJ990428_12.9A14.C25.o1.gs	Method	GENSCAN
Start	111	End	507
GI	none	Score	.77
Exons	111..198, 287..345, 448..507		

Seq. No.	35427	Seq. ID	OJ990428_12.9A14.C25
Gene No.	73212	Strand	-
Start	111	End	710
Name	OJ990428_12.9A14.C25.o1.np	Method	AAT/NAP
Start	287	End	710
GI	3152581	Score	32
Exons	287..345, 448..507, 649..710		
GI Descrip.	(AC002986) Similar to E. coli sulfurtransferase (rhodanese) gb\|AE00338. ESTs gb\|T03984, gb\|T03983 and gb\|W43228 come from this gene. [Arabidopsis thaliana] gi\|5834508\|emb\|CAB55306.1\| (AJ011045) thiosulfate sulfurtransferase [Arabidopsis thaliana] gi\|6009981\|dbj\|BAA85148.1\| (AB032864) mercaptopyruvate sulfurtransferase [Arabidopsis thaliana]		

Seq. No.	35428	Seq. ID	OJ990428_12.9A14.C26
Gene No.	73213	Strand	+
Start	1	End	869
Name	OJ990428_12.9A14.C26.o1.gp	Method	AAT/GAP
Start	1	End	450
GI	47645_1.R1084	Score	289

Exons	1..74, 339..450		
GI Descrip.	'1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	35428	Seq. ID	OJ990428_12.9A14.C26
Gene No.	73213	Strand	+
Start	1	End	869
Name	OJ990428_12.9A14.C26.o1.np	Method	AAT/NAP
Start	1	End	869
GI	3142294	Score	257
Exons	1..74, 339..441, 792..869		
GI Descrip.	(AC002411) Strong similarity to initiation factor eIF-2, gb\|U37354 from S. pombe. ESTs gb\|T41979, gb\|N37284 and gb\|N37529 come from this gene. [Arabidopsis thaliana]		

Seq. No.	35428	Seq. ID	OJ990428_12.9A14.C26
Gene No.	73213	Strand	+
Start	1	End	869
Name	OJ990428_12.9A14.C26.o1.tm	Method	TBLASTX:Maize
Start	3	End	445
GI	none	Score	60
Exons	3..74, 4..75, 6..74, 325..441, 333..443, 336..440, 338..445		

Seq. No.	35428	Seq. ID	OJ990428_12.9A14.C26
Gene No.	73213	Strand	+
Start	1	End	869
Name	OJ990428_12.9A14.C26.o1.ts	Method	TBLASTX:Soybean
Start	3	End	451
GI	none	Score	68
Exons	3..74, 3..74, 4..75, 4..75, 325..441, 333..443, 336..440, 338..451		

Seq. No.	35429	Seq. ID	OJ990428_12.9A14.C27
Gene No.	73214	Strand	-
Start	406	End	498
Name	OJ990428_12.9A14.C27.o1.gs	Method	GENSCAN
Start	406	End	498
GI	none	Score	.7
Exons	406..498		

Seq. No.	35430	Seq. ID	OJ990428_12.9A14.C28
Gene No.	73215	Strand	+
Start	1	End	1566
Name	OJ990428_12.9A14.C28.o1.np	Method	AAT/NAP
Start	1	End	923
GI	3004552	Score	183
Exons	1..172, 721..923		
GI Descrip.	(AC003673) unknown protein [Arabidopsis thaliana]		

Seq. No.	35430	Seq. ID	OJ990428_12.9A14.C28
Gene No.	73215	Strand	+
Start	1	End	1566
Name	OJ990428_12.9A14.C28.o1.gs	Method	GENSCAN
Start	47	End	1566
GI	none	Score	.6
Exons	47..172, 724..922, 1415..1566		

Seq. No.	35430	Seq. ID	OJ990428_12.9A14.C28
Gene No.	73215	Strand	+
Start	1	End	1566
Name	OJ990428_12.9A14.C28.o1.tm	Method	TBLASTX:Maize
Start	759	End	949
GI	none	Score	218
Exons	759..938, 783..926, 788..940, 797..949		

Seq. No.	35430	Seq. ID	OJ990428_12.9A14.C28
Gene No.	73215	Strand	+
Start	1	End	1566
Name	OJ990428_12.9A14.C28.o1.gp	Method	AAT/GAP
Start	879	End	1236
GI	4714228	Score	679
Exons	879..1236		

Seq. No.	35431	Seq. ID	OJ990428_12.9A14.C29
Gene No.	73216	Strand	-
Start	403	End	541
Name	OJ990428_12.9A14.C29.o1.gs	Method	GENSCAN
Start	403	End	541
GI	none	Score	.76
Exons	403..541		

Seq. No.	35432	Seq. ID	OJ990428_12.9A14.C31
Gene No.	73217	Strand	+
Start	1	End	883
Name	OJ990428_12.9A14.C31.o1.np	Method	AAT/NAP
Start	1	End	883
GI	3004552	Score	89
Exons	1..236, 472..513, 550..671, 823..883		
GI Descrip.	(AC003673) unknown protein [Arabidopsis thaliana]		

Seq. No.	35432	Seq. ID	OJ990428_12.9A14.C31
Gene No.	73217	Strand	+
Start	1	End	883
Name	OJ990428_12.9A14.C31.o1.tm	Method	TBLASTX:Maize
Start	87	End	681
GI	none	Score	135
Exons	87..134, 119..235, 120..236, 138..236, 140..241, 468..665, 469..666, 471..662, 472..681		

Seq. No.	35432	Seq. ID	OJ990428_12.9A14.C31
Gene No.	73217	Strand	+
Start	1	End	883
Name	OJ990428_12.9A14.C31.o1.gs	Method	GENSCAN
Start	140	End	667
GI	none	Score	.93
Exons	140..236, 472..667		

Seq. No.	35433	Seq. ID	OJ990428_12.9A14.C34
Gene No.	73218	Strand	+
Start	906	End	1434
Name	OJ990428_12.9A14.C34.o1.gs	Method	GENSCAN
Start	906	End	1434
GI	none	Score	.61
Exons	906..1275, 1307..1434		

Seq. No.	35434	Seq. ID	OJ990428_12.9A14.C35
Gene No.	73219	Strand	+
Start	786	End	1712
Name	OJ990428_12.9A14.C35.o1.gs	Method	GENSCAN
Start	786	End	1712
GI	none	Score	.41
Exons	786..793, 987..1178, 1688..1712		

Seq. No.	35435	Seq. ID	OJ990428_12.9A14.C36
Gene No.	73220	Strand	+
Start	559	End	967
Name	OJ990428_12.9A14.C36.o1.np	Method	AAT/NAP
Start	559	End	955
GI	5257262	Score	106
Exons	559..955		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	35435	Seq. ID	OJ990428_12.9A14.C36
Gene No.	73220	Strand	+
Start	559	End	967
Name	OJ990428_12.9A14.C36.o1.tw	Method	TBLASTX:Wheat
Start	613	End	871
GI	none	Score	210
Exons	613..870, 620..871		

Seq. No.	35435	Seq. ID	OJ990428_12.9A14.C36
Gene No.	73220	Strand	+
Start	559	End	967
Name	OJ990428_12.9A14.C36.o1.tm	Method	TBLASTX:Maize
Start	673	End	967
GI	none	Score	55
Exons	673..735, 674..724, 749..925, 758..967		

Seq. No.	35436	Seq. ID	OJ990428_12.9A14.C37
Gene No.	73221	Strand	+
Start	1863	End	2425
Name	OJ990428_12.9A14.C37.o1.gs	Method	GENSCAN
Start	1863	End	2425
GI	none	Score	.99
Exons	1863..2425		

Seq. No.	35437	Seq. ID	OJ990428_12.9A14.C38
Gene No.	73222	Strand	+
Start	1	End	447
Name	OJ990428_12.9A14.C38.o1.np	Method	AAT/NAP
Start	1	End	437
GI	6729489	Score	186
Exons	1..437		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	35437	Seq. ID	OJ990428_12.9A14.C38
Gene No.	73222	Strand	+
Start	1	End	447
Name	OJ990428_12.9A14.C38.o1.gs	Method	GENSCAN
Start	55	End	447

GI	none	Score	1
Exons	55..447		

Seq. No.	35437	Seq. ID	OJ990428_12.9A14.C38
Gene No.	73223	Strand	-
Start	642	End	6719
Name	OJ990428_12.9A14.C38.o2.tm	Method	TBLASTX:Maize
Start	28	End	327
GI	none	Score	46
Exons	28..63, 91..327		

Seq. No.	35437	Seq. ID	OJ990428_12.9A14.C38
Gene No.	73223	Strand	-
Start	642	End	6719
Name	OJ990428_12.9A14.C38.o2.ts	Method	TBLASTX:Soybean
Start	28	End	291
GI	none	Score	48
Exons	28..54, 67..291, 100..231		

Seq. No.	35437	Seq. ID	OJ990428_12.9A14.C38
Gene No.	73223	Strand	-
Start	642	End	6719
Name	OJ990428_12.9A14.C38.o1.gp	Method	AAT/GAP
Start	642	End	1209
GI	uC-osf1M202056a08a1	Score	810
Exons	642..1008, 1093..1209		
GI Descrip.	'4406372/gb\|AAD19957.1\| 1.0e-16 (AF109156) thiosulfate sulfurtransferase [Datisca glomerata]'		

Seq. No.	35437	Seq. ID	OJ990428_12.9A14.C38
Gene No.	73223	Strand	-
Start	642	End	6719
Name	OJ990428_12.9A14.C38.o1.tm	Method	TBLASTX:Maize
Start	855	End	5201
GI	none	Score	40
Exons	855..881, 908..1009, 910..1008, 912..1013, 1093..1161, 1094..1162, 1580..1660, 1843..1929, 1843..1929, 1844..1930, 2508..2570, 2510..2572, 2511..2561, 2512..2589, 2513..2608, 2666..2731, 2669..2731, 2670..2732, 2671..2733, 2889..3053, 2890..3054, 3219..3362, 3244..3366, 3244..3360, 3249..3374, 4103..4174, 4107..4172, 4111..4182, 4361..4435, 4366..4437, 4367..4438, 4371..4442, 4979..5155, 4985..5038, 4987..5046, 5025..5120, 5121..5186, 5159..5200, 5160..5201		

Seq. No.	35437	Seq. ID	OJ990428_12.9A14.C38
Gene No.	73223	Strand	-
Start	642	End	6719
Name	OJ990428_12.9A14.C38.o2.np	Method	AAT/NAP
Start	904	End	5584
GI	3152581	Score	962
Exons	904..1008, 1093..1160, 1583..1646, 1846..1927, 2511..2569, 2672..2731, 2892..3054, 3244..3368, 4106..4168, 4372..4437, 4985..5059, 5378..5584		
GI Descrip.	(AC002986) Similar to E. coli sulfurtransferase (rhodanese) gb\|AE00338. ESTs gb\|T03984, gb\|T03983 and gb\|W43228 come from this gene. [Arabidopsis thaliana] gi\|5834508\|emb\|CAB55306.1\| (AJ011045) thiosulfate sulfurtransferase [Arabidopsis thaliana]		

gi|6009981|dbj|BAA85148.1| (AB032864) mercaptopyruvate sulfurtransferase [Arabidopsis thaliana]

Seq. No.	35437	Seq. ID	OJ990428_12.9A14.C38
Gene No.	73223	Strand	-
Start	642	End	6719
Name	OJ990428_12.9A14.C38.o2.gs	Method	GENSCAN
Start	910	End	6719
GI	none	Score	.71
Exons	910..1008, 1093..1160, 1583..1646, 2335..2422, 2511..2569, 2672..2731, 2892..3054, 3244..3368, 4106..4168, 4372..4431, 4980..5344, 5985..6126, 6663..6719		

Seq. No.	35437	Seq. ID	OJ990428_12.9A14.C38
Gene No.	73223	Strand	-
Start	642	End	6719
Name	OJ990428_12.9A14.C38.o1.tc	Method	TBLASTX:Cress
Start	914	End	1930
GI	none	Score	81
Exons	914..1009, 925..1008, 1093..1158, 1097..1159, 1843..1926, 1843..1929, 1847..1930		

Seq. No.	35437	Seq. ID	OJ990428_12.9A14.C38
Gene No.	73223	Strand	-
Start	642	End	6719
Name	OJ990428_12.9A14.C38.o1.ts	Method	TBLASTX:Soybean
Start	919	End	5059
GI	none	Score	81
Exons	919..1008, 920..1009, 1093..1161, 1097..1162, 1843..1929, 1853..1930, 2510..2572, 2666..2731, 2889..3053, 2890..3054, 2895..3056, 2899..3054, 3242..3361, 3244..3369, 3249..3374, 4103..4174, 4366..4437, 4367..4435, 4372..4437, 4979..5059		

Seq. No.	35437	Seq. ID	OJ990428_12.9A14.C38
Gene No.	73223	Strand	-
Start	642	End	6719
Name	OJ990428_12.9A14.C38.o1.tw	Method	TBLASTX:Wheat
Start	1843	End	3052
GI	none	Score	127
Exons	1843..1953, 1843..1929, 2510..2572, 2666..2722, 2886..3047, 2891..3052, 2893..3042		

Seq. No.	35437	Seq. ID	OJ990428_12.9A14.C38		
Gene No.	73223	Strand	-		
Start	642	End	6719		
Name	OJ990428_12.9A14.C38.o2.gp	Method	AAT/GAP		
Start	2895	End	3375		
GI	77143_1.R1084	Score	516		
Exons	2895..3054, 3244..3375				
GI Descrip.	'4406372/gb	AAD19957.1	5.0e-43 (AF109156) thiosulfate sulfurtransferase [Datisca glomerata]'		

Seq. No.	35437	Seq. ID	OJ990428_12.9A14.C38
Gene No.	73223	Strand	-
Start	642	End	6719
Name	OJ990428_12.9A14.C38.o3.gp	Method	AAT/GAP
Start	5152	End	5508

GI	2309824	Score	499
Exons	5152..5203, 5282..5508		

Seq. No.	35438	Seq. ID	OJ990428_12.9A14.C40
Gene No.	73224	Strand	-
Start	1	End	2208
Name	OJ990428_12.9A14.C40.o1.np	Method	AAT/NAP
Start	1	End	2208
GI	2194128	Score	138
Exons	1..207, 265..370, 2168..2208		
GI Descrip.	(AC002062) Strong similarity to Arabidopsis receptor-like kinase (gb\|ATLECGENE) and F20P5.15. [Arabidopsis thaliana]		

Seq. No.	35439	Seq. ID	OJ990428_12.9A14.C41
Gene No.	73225	Strand	-
Start	195	End	721
Name	OJ990428_12.9A14.C41.o1.gs	Method	GENSCAN
Start	195	End	721
GI	none	Score	.87
Exons	195..721		

Seq. No.	35440	Seq. ID	OJ990428_12.9A14.C44
Gene No.	73226	Strand	+
Start	299	End	724
Name	OJ990428_12.9A14.C44.o1.np	Method	AAT/NAP
Start	299	End	724
GI	585113	Score	72
Exons	299..426, 680..724		
GI Descrip.	EXODEOXYRIBONUCLEASE gi\|2126877\|pir\|\|S66012 3'-exo-deoxyribonuclease - Bacillus subtilis gi\|467372\|dbj\|BAA05218\| (D26185) 3'-exo-deoxyribonuclease [Bacillus subtilis] gi\|2636635\|emb\|CAB16125\| (Z99124) 3'-exo-deoxyribonuclease [Bacillus subtilis]		

Seq. No.	35441	Seq. ID	OJ990428_12.9A14.C45
Gene No.	73227	Strand	+
Start	1	End	198
Name	OJ990428_12.9A14.C45.o1.np	Method	AAT/NAP
Start	1	End	198
GI	6069646	Score	102
Exons	1..198		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	35442	Seq. ID	OJ990428_12.9A14.C47
Gene No.	73228	Strand	+
Start	1	End	472
Name	OJ990428_12.9A14.C47.o1.np	Method	AAT/NAP
Start	1	End	416
GI	6907106	Score	287
Exons	1..150, 225..416		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35442	Seq. ID	OJ990428_12.9A14.C47
Gene No.	73228	Strand	+
Start	1	End	472
Name	OJ990428_12.9A14.C47.o1.gs	Method	GENSCAN
Start	131	End	472
GI	none	Score	.53
Exons	131..472		

Seq. No.	35442	Seq. ID	OJ990428_12.9A14.C47
Gene No.	73229	Strand	-
Start	1	End	2749
Name	OJ990428_12.9A14.C47.o2.np	Method	AAT/NAP
Start	1	End	2704
GI	5257262	Score	153
Exons	1..75, 738..776, 1779..2029, 2386..2704		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	35442	Seq. ID	OJ990428_12.9A14.C47
Gene No.	73229	Strand	-
Start	1	End	2749
Name	OJ990428_12.9A14.C47.o1.tm	Method	TBLASTX:Maize
Start	59	End	319
GI	none	Score	159
Exons	59..181, 62..175, 73..177, 172..216, 173..217, 223..318, 264..287, 272..319		

Seq. No.	35442	Seq. ID	OJ990428_12.9A14.C47
Gene No.	73229	Strand	-
Start	1	End	2749
Name	OJ990428_12.9A14.C47.o1.gp	Method	AAT/GAP
Start	272	End	723
GI	uC-osf1cyp115d05a1	Score	860
Exons	272..723		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 5.0e-35 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	35442	Seq. ID	OJ990428_12.9A14.C47
Gene No.	73229	Strand	-
Start	1	End	2749
Name	OJ990428_12.9A14.C47.o2.gs	Method	GENSCAN
Start	1392	End	2749
GI	none	Score	.43
Exons	1392..1433, 1794..2002, 2386..2749		

Seq. No.	35442	Seq. ID	OJ990428_12.9A14.C47
Gene No.	73229	Strand	-
Start	1	End	2749
Name	OJ990428_12.9A14.C47.o2.tm	Method	TBLASTX:Maize
Start	1792	End	2043
GI	none	Score	151
Exons	1792..2043, 1792..1962, 1794..2036, 1808..2038		

Seq. No.	35443	Seq. ID	OJ990428_12.9A14.C48
Gene No.	73230	Strand	+
Start	2435	End	2791
Name	OJ990428_12.9A14.C48.o3.gs	Method	GENSCAN
Start	2435	End	2791

GI	none	Score	.93
Exons	2435..2791		

Seq. No.	35443	Seq. ID	OJ990428_12.9A14.C48
Gene No.	73231	Strand	-
Start	1437	End	1965
Name	OJ990428_12.9A14.C48.o2.gs	Method	GENSCAN
Start	1437	End	1965
GI	none	Score	.98
Exons	1437..1537, 1579..1661, 1823..1965		

Seq. No.	35444	Seq. ID	OJ990428_12.9A14.C50
Gene No.	73232	Strand	+
Start	8276	End	10894
Name	OJ990428_12.9A14.C50.o3.gs	Method	GENSCAN
Start	8276	End	10894
GI	none	Score	.75
Exons	8276..8290, 8605..8777, 8918..8946, 9659..9756, 10265..10894		

Seq. No.	35444	Seq. ID	OJ990428_12.9A14.C50
Gene No.	73233	Strand	-
Start	1	End	2434
Name	OJ990428_12.9A14.C50.o1.np	Method	AAT/NAP
Start	1	End	1167
GI	4680492	Score	1175
Exons	1..104, 473..1167		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	35444	Seq. ID	OJ990428_12.9A14.C50
Gene No.	73233	Strand	-
Start	1	End	2434
Name	OJ990428_12.9A14.C50.o2.np	Method	AAT/NAP
Start	1	End	2434
GI	3047086	Score	505
Exons	1..89, 1188..2434		
GI Descrip.	(AF058914) similar to reverse transcriptase (Pfam: transcript_fact.hmm, score: 72.31) [Arabidopsis thaliana]		

Seq. No.	35444	Seq. ID	OJ990428_12.9A14.C50
Gene No.	73234	Strand	-
Start	6406	End	6628
Name	OJ990428_12.9A14.C50.o2.gs	Method	GENSCAN
Start	6406	End	6628
GI	none	Score	.72
Exons	6406..6499, 6561..6628		

Seq. No.	35444	Seq. ID	OJ990428_12.9A14.C50
Gene No.	73235	Strand	-
Start	9227	End	9349
Name	OJ990428_12.9A14.C50.o3.np	Method	AAT/NAP
Start	9227	End	9349
GI	585113	Score	71
Exons	9227..9349		
GI Descrip.	EXODEOXYRIBONUCLEASE gi\|2126877\|pir\|\|S66012 3'-exo-deoxyribonuclease - Bacillus subtilis gi\|467372\|dbj\|BAA05218\| (D26185) 3'-exo-deoxyribonuclease [Bacillus subtilis] gi\|2636635\|emb\|CAB16125\| (Z99124)		

3'-exo-deoxyribonuclease [Bacillus subtilis]

Seq. No.	35444	Seq. ID	OJ990428_12.9A14.C50
Gene No.	73236	Strand	-
Start	11473	End	13853
Name	OJ990428_12.9A14.C50.o1.ts	Method	TBLASTX:Soybean
Start	1117	End	1650
GI	none	Score	198
Exons	1117..1227, 1300..1650		

Seq. No.	35444	Seq. ID	OJ990428_12.9A14.C50
Gene No.	73236	Strand	-
Start	11473	End	13853
Name	OJ990428_12.9A14.C50.o1.tm	Method	TBLASTX:Maize
Start	1264	End	1995
GI	none	Score	76
Exons	1264..1713, 1270..1470, 1774..1995		

Seq. No.	35444	Seq. ID	OJ990428_12.9A14.C50
Gene No.	73236	Strand	-
Start	11473	End	13853
Name	OJ990428_12.9A14.C50.o2.tm	Method	TBLASTX:Maize
Start	2045	End	2419
GI	none	Score	78
Exons	2045..2290, 2315..2419		

Seq. No.	35444	Seq. ID	OJ990428_12.9A14.C50
Gene No.	73236	Strand	-
Start	11473	End	13853
Name	OJ990428_12.9A14.C50.o4.gs	Method	GENSCAN
Start	11473	End	13853
GI	none	Score	.44
Exons	11473..11787, 12673..12758, 13526..13649, 13734..13853		

Seq. No.	35444	Seq. ID	OJ990428_12.9A14.C50
Gene No.	73236	Strand	-
Start	11473	End	13853
Name	OJ990428_12.9A14.C50.o4.np	Method	AAT/NAP
Start	12360	End	12455
GI	6721512	Score	32
Exons	12360..12455		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	35444	Seq. ID	OJ990428_12.9A14.C50
Gene No.	73237	Strand	
Start	14549	End	15067
Name	OJ990428_12.9A14.C50.o3.tm	Method	TBLASTX:Maize
Start	14549	End	15067
GI	none	Score	96
Exons	14549..14668, 14549..14641, 14550..14642, 14560..14676, 14561..14659, 14563..14667, 14565..14678, 14678..14833, 14681..14830, 14689..14790, 14691..14831, 14697..14822, 14700..14825, 14706..14792, 14707..14805, 14842..14958, 14846..14995, 14851..14952, 14852..14998, 14854..15066, 14855..15067, 14856..14993, 14856..14999, 14862..14957, 14875..14961, 14925..15047, 14935..15054, 14944..15048		

Seq. No.	35445	Seq. ID	OJ990428_12.9A14.C51
Gene No.	73238	Strand	+
Start	59	End	475
Name	OJ990428_12.9A14.C51.o1.gs	Method	GENSCAN
Start	59	End	475
GI	none	Score	.54
Exons	59..151, 344..475		

Seq. No.	35445	Seq. ID	OJ990428_12.9A14.C51
Gene No.	73239	Strand	-
Start	1850	End	4504
Name	OJ990428_12.9A14.C51.o1.np	Method	AAT/NAP
Start	1825	End	4504
GI	6729489	Score	423
Exons	1825..2568, 4428..4504		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	35445	Seq. ID	OJ990428_12.9A14.C51
Gene No.	73239	Strand	-
Start	1850	End	4504
Name	OJ990428_12.9A14.C51.o2.gs	Method	GENSCAN
Start	1850	End	2239
GI	none	Score	.83
Exons	1850..2239		

Seq. No.	35445	Seq. ID	OJ990428_12.9A14.C51
Gene No.	73239	Strand	-
Start	1850	End	4504
Name	OJ990428_12.9A14.C51.o1.tm	Method	TBLASTX:Maize
Start	1946	End	2549
GI	none	Score	97
Exons	1946..2200, 1965..2183, 2240..2380, 2241..2378, 2376..2504, 2382..2549		

Seq. No.	35445	Seq. ID	OJ990428_12.9A14.C51
Gene No.	73239	Strand	-
Start	1850	End	4504
Name	OJ990428_12.9A14.C51.o1.tc	Method	TBLASTX:Cress
Start	1991	End	2549
GI	none	Score	35
Exons	1991..2215, 2156..2197, 2229..2369, 2240..2377, 2370..2549		

Seq. No.	35445	Seq. ID	OJ990428_12.9A14.C51
Gene No.	73239	Strand	-
Start	1850	End	4504
Name	OJ990428_12.9A14.C51.o1.ts	Method	TBLASTX:Soybean
Start	2117	End	2546
GI	none	Score	90
Exons	2117..2230, 2249..2371, 2253..2369, 2391..2546, 2440..2502		

Seq. No.	35445	Seq. ID	OJ990428_12.9A14.C51
Gene No.	73239	Strand	-
Start	1850	End	4504
Name	OJ990428_12.9A14.C51.o1.tw	Method	TBLASTX:Wheat
Start	2240	End	2549
GI	none	Score	86

Exons	2240..2368, 2241..2369, 2397..2549		
Seq. No.	35446	Seq. ID	OJ990428_12.9A14.C52
Gene No.	73240	Strand	+
Start	345	End	812
Name	OJ990428_12.9A14.C52.o1.gs	Method	GENSCAN
Start	345	End	812
GI	none	Score	.94
Exons	345..451, 511..607, 699..812		
Seq. No.	35446	Seq. ID	OJ990428_12.9A14.C52
Gene No.	73241	Strand	+
Start	5625	End	5850
Name	OJ990428_12.9A14.C52.o2.gp	Method	AAT/GAP
Start	5625	End	5850
GI	2312838	Score	79
Exons	5625..5688, 5816..5850		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		
Seq. No.	35446	Seq. ID	OJ990428_12.9A14.C52
Gene No.	73242	Strand	-
Start	1	End	7210
Name	OJ990428_12.9A14.C52.o1.np	Method	AAT/NAP
Start	1	End	7210
GI	1418331	Score	258
Exons	1..89, 2712..3123, 7138..7210		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		
Seq. No.	35446	Seq. ID	OJ990428_12.9A14.C52
Gene No.	73242	Strand	-
Start	1	End	7210
Name	OJ990428_12.9A14.C52.o2.gs	Method	GENSCAN
Start	2681	End	4009
GI	none	Score	.92
Exons	2681..2844, 2887..2930, 2987..3229, 3300..4009		
Seq. No.	35446	Seq. ID	OJ990428_12.9A14.C52
Gene No.	73242	Strand	-
Start	1	End	7210
Name	OJ990428_12.9A14.C52.o1.ts	Method	TBLASTX:Soybean
Start	2704	End	3037
GI	none	Score	91
Exons	2704..3036, 2765..3037		
Seq. No.	35446	Seq. ID	OJ990428_12.9A14.C52
Gene No.	73242	Strand	-
Start	1	End	7210
Name	OJ990428_12.9A14.C52.o1.tm	Method	TBLASTX:Maize
Start	2722	End	3075
GI	none	Score	36
Exons	2722..2748, 2723..2752, 2749..2823, 2765..2824, 2803..2946, 2803..2946, 2828..2956, 2965..3075, 2966..3061		
Seq. No.	35446	Seq. ID	OJ990428_12.9A14.C52
Gene No.	73242	Strand	-
Start	1	End	7210

Name	OJ990428_12.9A14.C52.o1.tc	Method	TBLASTX:Cress
Start	2725	End	3093
GI	none	Score	45
Exons	2725..3093, 2765..2818, 2888..3067		

Seq. No.	35446	Seq. ID	OJ990428_12.9A14.C52
Gene No.	73242	Strand	-
Start	1	End	7210
Name	OJ990428_12.9A14.C52.o1.tw	Method	TBLASTX:Wheat
Start	2725	End	3006
GI	none	Score	56
Exons	2725..3006, 2777..3004		

Seq. No.	35446	Seq. ID	OJ990428_12.9A14.C52
Gene No.	73242	Strand	-
Start	1	End	7210
Name	OJ990428_12.9A14.C52.o2.ts	Method	TBLASTX:Soybean
Start	3296	End	3964
GI	none	Score	69
Exons	3296..3451, 3359..3499, 3497..3778, 3707..3880, 3779..3964		

Seq. No.	35446	Seq. ID	OJ990428_12.9A14.C52
Gene No.	73242	Strand	-
Start	1	End	7210
Name	OJ990428_12.9A14.C52.o1.gp	Method	AAT/GAP
Start	4043	End	4358
GI	6012857	Score	593
Exons	4043..4358		
GI Descrip.	5852077/emb\|AL117264.1\|OSB6015 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone: b6015		

Seq. No.	35447	Seq. ID	OJ990428_12.9A14.C54
Gene No.	73243	Strand	-
Start	810	End	1392
Name	OJ990428_12.9A14.C54.o1.ts	Method	TBLASTX:Soybean
Start	696	End	1092
GI	none	Score	73
Exons	696..755, 700..756, 805..1092, 813..1091		

Seq. No.	35447	Seq. ID	OJ990428_12.9A14.C54
Gene No.	73243	Strand	-
Start	810	End	1392
Name	OJ990428_12.9A14.C54.o1.tm	Method	TBLASTX:Maize
Start	783	End	1392
GI	none	Score	469
Exons	783..1115, 805..1110, 813..1112, 1176..1382, 1177..1386, 1186..1392		

Seq. No.	35447	Seq. ID	OJ990428_12.9A14.C54
Gene No.	73243	Strand	-
Start	810	End	1392
Name	OJ990428_12.9A14.C54.o1.tc	Method	TBLASTX:Cress
Start	804	End	1218
GI	none	Score	340
Exons	804..1115, 814..1104, 1186..1218		

Seq. No.	35447	Seq. ID	OJ990428_12.9A14.C54

Gene No.	73243	Strand	-
Start	810	End	1392
Name	OJ990428_12.9A14.C54.o1.np	Method	AAT/NAP
Start	810	End	1392
GI	3142294	Score	763
Exons	810..1109, 1189..1392		
GI Descrip.	(AC002411) Strong similarity to initiation factor eIF-2, gb\|U37354 from S. pombe. ESTs gb\|T41979, gb\|N37284 and gb\|N37529 come from this gene. [Arabidopsis thaliana]		

Seq. No.	35447	Seq. ID	OJ990428_12.9A14.C54
Gene No.	73243	Strand	-
Start	810	End	1392
Name	OJ990428_12.9A14.C54.o1.tw	Method	TBLASTX:Wheat
Start	889	End	1339
GI	none	Score	326
Exons	889..1110, 891..1115, 902..1129, 1156..1338, 1176..1310, 1186..1338, 1256..1339		

Seq. No.	35447	Seq. ID	OJ990428_12.9A14.C54
Gene No.	73243	Strand	-
Start	810	End	1392
Name	OJ990428_12.9A14.C54.o1.gs	Method	GENSCAN
Start	914	End	1278
GI	none	Score	.54
Exons	914..1109, 1189..1278		

Seq. No.	35447	Seq. ID	OJ990428_12.9A14.C54
Gene No.	73243	Strand	-
Start	810	End	1392
Name	OJ990428_12.9A14.C54.o1.gp	Method	AAT/GAP
Start	1058	End	1392
GI	504_1.R1084	Score	397
Exons	1058..1109, 1189..1392		
GI Descrip.	'3142294 2.0e-70 (AC002411) Strong similarity to initiation factor eIF-2, gb_U37354 from S. pombe. ESTs gb_T41979, gb_N37284 and gb_N37529 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	35447	Seq. ID	OJ990428_12.9A14.C54
Gene No.	73243	Strand	-
Start	810	End	1392
Name	OJ990428_12.9A14.C54.o2.ts	Method	TBLASTX:Soybean
Start	1186	End	1392
GI	none	Score	107
Exons	1186..1239, 1228..1392, 1240..1386, 1256..1390		

Seq. No.	35448	Seq. ID	OJ990428_12.9A14.C55
Gene No.	73244	Strand	+
Start	1	End	648
Name	OJ990428_12.9A14.C55.o1.np	Method	AAT/NAP
Start	1	End	648
GI	3193290	Score	340
Exons	1..648		
GI Descrip.	(AF069298) contains similarity to a protein kinase domain (Pfam: pkinase.hmm, score: 165.48), to legume lectins beta domain (Pfam: lectin_legB.hmm, score: 125.64) and legume lectins alpha		

domain (Pfam: lectin_legA.hmm, score: 16.72) [Arabido...

Seq. No.	35448	Seq. ID	OJ990428_12.9A14.C55
Gene No.	73244	Strand	+
Start	1	End	648
Name	OJ990428_12.9A14.C55.o1.tc	Method	TBLASTX:Cress
Start	5	End	460
GI	none	Score	193
Exons	5..196, 16..204, 212..286, 371..460		

Seq. No.	35448	Seq. ID	OJ990428_12.9A14.C55
Gene No.	73244	Strand	+
Start	1	End	648
Name	OJ990428_12.9A14.C55.o1.tm	Method	TBLASTX:Maize
Start	5	End	463
GI	none	Score	197
Exons	5..196, 10..135, 11..202, 200..286, 211..306, 371..463, 403..462		

Seq. No.	35448	Seq. ID	OJ990428_12.9A14.C55
Gene No.	73244	Strand	+
Start	1	End	648
Name	OJ990428_12.9A14.C55.o1.ts	Method	TBLASTX:Soybean
Start	8	End	283
GI	none	Score	195
Exons	8..196, 28..198, 200..283, 211..276		

Seq. No.	35448	Seq. ID	OJ990428_12.9A14.C55
Gene No.	73244	Strand	+
Start	1	End	648
Name	OJ990428_12.9A14.C55.o1.tw	Method	TBLASTX:Wheat
Start	11	End	295
GI	none	Score	156
Exons	11..196, 46..198, 217..294, 218..295		

Seq. No.	35448	Seq. ID	OJ990428_12.9A14.C55
Gene No.	73244	Strand	+
Start	1	End	648
Name	OJ990428_12.9A14.C55.o1.gs	Method	GENSCAN
Start	14	End	617
GI	none	Score	.99
Exons	14..450, 489..617		

Seq. No.	35449	Seq. ID	OJ990428_12.9A14.C56
Gene No.	73245	Strand	-
Start	132	End	458
Name	OJ990428_12.9A14.C56.o1.gs	Method	GENSCAN
Start	132	End	458
GI	none	Score	.65
Exons	132..458		

Seq. No.	35450	Seq. ID	OJ990528_02.9A25.C1
Gene No.	73246	Strand	-
Start	1	End	787
Name	OJ990528_02.9A25.C1.o1.gp	Method	AAT/GAP
Start	1	End	262
GI	LIB3434-041-P1-K1-A12	Score	487
Exons	1..262		

GI Descrip. '2864613/emb|CAA16960| 7.0e-26 (AL021811) S-receptor kinase -like protein [Arabidopsis thaliana] >gi_4049333_emb_CAA22558.1_ (AL034567) S-receptor kinase-like protein [Arabidopsis thaliana]'

Seq. No.	35450	Seq. ID	OJ990528_02.9A25.C1
Gene No.	73246	Strand	-
Start	1	End	787
Name	OJ990528_02.9A25.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	343
GI	none	Score	268
Exons	1..342, 2..343		

Seq. No.	35450	Seq. ID	OJ990528_02.9A25.C1
Gene No.	73246	Strand	-
Start	1	End	787
Name	OJ990528_02.9A25.C1.o1.np	Method	AAT/NAP
Start	1	End	787
GI	2864613	Score	652
Exons	1..787		
GI Descrip.	(AL021811) S-receptor kinase -like protein [Arabidopsis thaliana] gi\|4049333\|emb\|CAA22558.1\| (AL034567) S-receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	35450	Seq. ID	OJ990528_02.9A25.C1
Gene No.	73246	Strand	-
Start	1	End	787
Name	OJ990528_02.9A25.C1.o1.ts	Method	TBLASTX:Soybean
Start	13	End	573
GI	none	Score	49
Exons	13..141, 71..130, 143..193, 145..384, 148..327, 222..374, 403..573, 410..556		

Seq. No.	35450	Seq. ID	OJ990528_02.9A25.C1
Gene No.	73246	Strand	-
Start	1	End	787
Name	OJ990528_02.9A25.C1.o1.tc	Method	TBLASTX:Cress
Start	52	End	585
GI	none	Score	99
Exons	52..132, 139..381, 146..376, 406..585, 422..553		

Seq. No.	35450	Seq. ID	OJ990528_02.9A25.C1
Gene No.	73246	Strand	-
Start	1	End	787
Name	OJ990528_02.9A25.C1.o1.tw	Method	TBLASTX:Wheat
Start	130	End	535
GI	none	Score	76
Exons	130..180, 196..381, 413..535, 418..534		

Seq. No.	35450	Seq. ID	OJ990528_02.9A25.C1
Gene No.	73246	Strand	-
Start	1	End	787
Name	OJ990528_02.9A25.C1.o1.gs	Method	GENSCAN
Start	198	End	699
GI	none	Score	.66
Exons	198..699		

Seq. No.	35450	Seq. ID	OJ990528_02.9A25.C1
Gene No.	73246	Strand	-
Start	1	End	787
Name	OJ990528_02.9A25.C1.o2.tm	Method	TBLASTX:Maize
Start	403	End	694
GI	none	Score	124
Exons	403..585, 416..556, 614..694		

Seq. No.	35451	Seq. ID	OJ990528_02.9A25.C2
Gene No.	73247	Strand	-
Start	1	End	720
Name	OJ990528_02.9A25.C2.o1.np	Method	AAT/NAP
Start	1	End	720
GI	4091008	Score	146
Exons	1..19, 360..554, 664..720		
GI Descrip.	(AF040700) methionyl-tRNA synthetase [Oryza sativa]		

Seq. No.	35451	Seq. ID	OJ990528_02.9A25.C2
Gene No.	73247	Strand	-
Start	1	End	720
Name	OJ990528_02.9A25.C2.o1.gs	Method	GENSCAN
Start	354	End	584
GI	none	Score	85
Exons	354..584		

Seq. No.	35451	Seq. ID	OJ990528_02.9A25.C2
Gene No.	73247	Strand	-
Start	1	End	720
Name	OJ990528_02.9A25.C2.o1.tm	Method	TBLASTX:Maize
Start	358	End	509
GI	none	Score	133
Exons	358..498, 360..509		

Seq. No.	35451	Seq. ID	OJ990528_02.9A25.C2
Gene No.	73247	Strand	-
Start	1	End	720
Name	OJ990528_02.9A25.C2.o1.ts	Method	TBLASTX:Soybean
Start	360	End	509
GI	none	Score	61
Exons	360..509, 370..501		

Seq. No.	35452	Seq. ID	OJ990528_02.9A25.C3
Gene No.	73248	Strand	+
Start	1	End	678
Name	OJ990528_02.9A25.C3.o1.gp	Method	AAT/GAP
Start	1	End	678
GI	77_1.R1084	Score	277
Exons	1..51, 140..242, 656..678		
GI Descrip.	'6006310/dbj\|BAA84779.1\| 0.0e+00 (AB018443) nonphototrophic hypocotyl 1b [Oryza sativa]'		

Seq. No.	35452	Seq. ID	OJ990528_02.9A25.C3
Gene No.	73248	Strand	+
Start	1	End	678
Name	OJ990528_02.9A25.C3.o1.np	Method	AAT/NAP
Start	1	End	238
GI	6006310	Score	205

Exons	1..51, 140..238		
GI Descrip.	(AB018443) nonphototrophic hypocotyl 1b [Oryza sativa]		
Seq. No.	35452	Seq. ID	OJ990528_02.9A25.C3
Gene No.	73248	Strand	+
Start	1	End	678
Name	OJ990528_02.9A25.C3.o1.gs	Method	GENSCAN
Start	140	End	241
GI	none	Score	.83
Exons	140..241		
Seq. No.	35453	Seq. ID	OJ990528_02.9A25.C8
Gene No.	73249	Strand	-
Start	816	End	1926
Name	OJ990528_02.9A25.C8.o1.gs	Method	GENSCAN
Start	816	End	1926
GI	none	Score	.74
Exons	816..923, 1824..1926		
Seq. No.	35454	Seq. ID	OJ990528_02.9A25.C9
Gene No.	73250	Strand	+
Start	3064	End	3877
Name	OJ990528_02.9A25.C9.o1.gs	Method	GENSCAN
Start	3064	End	3877
GI	none	Score	.68
Exons	3064..3242, 3790..3877		
Seq. No.	35454	Seq. ID	OJ990528_02.9A25.C9
Gene No.	73251	Strand	+
Start	3880	End	5009
Name	OJ990528_02.9A25.C9.o1.ts	Method	TBLASTX:Soybean
Start	3864	End	4073
GI	none	Score	68
Exons	3864..4073, 3876..3971, 3877..4071		
Seq. No.	35454	Seq. ID	OJ990528_02.9A25.C9
Gene No.	73251	Strand	+
Start	3880	End	5009
Name	OJ990528_02.9A25.C9.o1.tw	Method	TBLASTX:Wheat
Start	3867	End	4062
GI	none	Score	100
Exons	3867..3980, 3880..4062, 3880..4020		
Seq. No.	35454	Seq. ID	OJ990528_02.9A25.C9
Gene No.	73251	Strand	+
Start	3880	End	5009
Name	OJ990528_02.9A25.C9.o1.tm	Method	TBLASTX:Maize
Start	3871	End	4077
GI	none	Score	98
Exons	3871..4020, 3873..3983, 3879..4061, 3880..4077		
Seq. No.	35454	Seq. ID	OJ990528_02.9A25.C9
Gene No.	73251	Strand	+
Start	3880	End	5009
Name	OJ990528_02.9A25.C9.o1.tc	Method	TBLASTX:Cress
Start	3877	End	5009
GI	none	Score	240

Exons	3877..4083, 3877..3999, 3879..4034, 4652..4732, 4944..5009		
Seq. No.	35454	Seq. ID	OJ990528_02.9A25.C9
Gene No.	73251	Strand	+
Start	3880	End	5009
Name	OJ990528_02.9A25.C9.o1.np	Method	AAT/NAP
Start	3880	End	5008
GI	1816459	Score	289
Exons	3880..4061, 4654..4732, 4947..5008		
GI Descrip.	(Y10750) DEFH125 protein [Antirrhinum majus]		
Seq. No.	35455	Seq. ID	OJ990528_02.9A25.C10
Gene No.	73252	Strand	+
Start	402	End	1115
Name	OJ990528_02.9A25.C10.o1.gs	Method	GENSCAN
Start	402	End	1115
GI	none	Score	.71
Exons	402..404, 606..853, 1040..1115		
Seq. No.	35455	Seq. ID	OJ990528_02.9A25.C10
Gene No.	73253	Strand	+
Start	2530	End	4512
Name	OJ990528_02.9A25.C10.o1.np	Method	AAT/NAP
Start	2530	End	4512
GI	4417309	Score	390
Exons	2530..2593, 2768..3546, 3634..4219, 4480..4512		
GI Descrip.	(AC006446) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	35455	Seq. ID	OJ990528_02.9A25.C10
Gene No.	73253	Strand	+
Start	2530	End	4512
Name	OJ990528_02.9A25.C10.o1.tw	Method	TBLASTX:Wheat
Start	2715	End	3119
GI	none	Score	525
Exons	2715..3068, 2716..3117, 2745..3119, 2848..3117, 3047..3118		
Seq. No.	35455	Seq. ID	OJ990528_02.9A25.C10
Gene No.	73253	Strand	+
Start	2530	End	4512
Name	OJ990528_02.9A25.C10.o2.tm	Method	TBLASTX:Maize
Start	2770	End	2985
GI	none	Score	278
Exons	2770..2985, 2772..2984		
Seq. No.	35455	Seq. ID	OJ990528_02.9A25.C10
Gene No.	73253	Strand	+
Start	2530	End	4512
Name	OJ990528_02.9A25.C10.o1.tm	Method	TBLASTX:Maize
Start	2986	End	3419
GI	none	Score	407
Exons	2986..3387, 2986..3363, 3138..3386, 3369..3419		
Seq. No.	35455	Seq. ID	OJ990528_02.9A25.C10
Gene No.	73253	Strand	+
Start	2530	End	4512
Name	OJ990528_02.9A25.C10.o1.ts	Method	TBLASTX:Soybean

Start	3133	End	3523
GI	none	Score	169
Exons	3133..3378, 3144..3278, 3434..3523		

Seq. No.	35456	Seq. ID	OJ990528_02.9A25.C11
Gene No.	73254	Strand	-
Start	389	End	1476
Name	OJ990528_02.9A25.C11.o1.gs	Method	GENSCAN
Start	389	End	1476
GI	none	Score	.52
Exons	389..460, 576..645, 694..765, 1325..1372, 1444..1476		

Seq. No.	35457	Seq. ID	OJ990528_02.9A25.C12
Gene No.	73255	Strand	+
Start	1036	End	2751
Name	OJ990528_02.9A25.C12.o1.gs	Method	GENSCAN
Start	1036	End	1617
GI	none	Score	.51
Exons	1036..1129, 1400..1617		

Seq. No.	35457	Seq. ID	OJ990528_02.9A25.C12
Gene No.	73255	Strand	+
Start	1036	End	2751
Name	OJ990528_02.9A25.C12.o1.np	Method	AAT/NAP
Start	1341	End	2751
GI	6539588	Score	169
Exons	1341..1641, 2593..2751		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	35457	Seq. ID	OJ990528_02.9A25.C12
Gene No.	73256	Strand	-
Start	2337	End	2494
Name	OJ990528_02.9A25.C12.o2.gs	Method	GENSCAN
Start	2337	End	2494
GI	none	Score	.78
Exons	2337..2494		

Seq. No.	35458	Seq. ID	OJ990528_02.9A25.C13
Gene No.	73257	Strand	+
Start	488	End	629
Name	OJ990528_02.9A25.C13.o1.gs	Method	GENSCAN
Start	488	End	629
GI	none	Score	.65
Exons	488..542, 614..629		

Seq. No.	35459	Seq. ID	OJ990528_02.9A25.C14
Gene No.	73258	Strand	+
Start	1	End	725
Name	OJ990528_02.9A25.C14.o1.np	Method	AAT/NAP
Start	1	End	725
GI	5922619	Score	96
Exons	1..29, 571..725		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016852\|dbj\|BAA85195.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	35459	Seq. ID	OJ990528_02.9A25.C14

Gene No.	73259	Strand	-
Start	622	End	695
Name	OJ990528_02.9A25.C14.o1.gs	Method	GENSCAN
Start	622	End	695
GI	none	Score	.91
Exons	622..695		

Seq. No.	35460	Seq. ID	OJ990528_02.9A25.C15
Gene No.	73260	Strand	+
Start	291	End	390
Name	OJ990528_02.9A25.C15.o1.np	Method	AAT/NAP
Start	291	End	390
GI	5922619	Score	95
Exons	291..390		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016852\|dbj\|BAA85195.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	35460	Seq. ID	OJ990528_02.9A25.C15
Gene No.	73261	Strand	-
Start	521	End	4298
Name	OJ990528_02.9A25.C15.o2.np	Method	AAT/NAP
Start	521	End	1865
GI	6630699	Score	88
Exons	521..601, 1836..1865		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	35460	Seq. ID	OJ990528_02.9A25.C15
Gene No.	73261	Strand	-
Start	521	End	4298
Name	OJ990528_02.9A25.C15.o1.tm	Method	TBLASTX:Maize
Start	1626	End	3040
GI	none	Score	52
Exons	1626..1691, 1629..1700, 1808..1939, 1812..1940, 2509..2598, 2525..2599, 2690..3040, 2701..3039, 2701..3027		

Seq. No.	35460	Seq. ID	OJ990528_02.9A25.C15
Gene No.	73261	Strand	-
Start	521	End	4298
Name	OJ990528_02.9A25.C15.o3.np	Method	AAT/NAP
Start	1626	End	3300
GI	6006310	Score	2036
Exons	1626..1700, 1811..2039, 2123..2408, 2508..2599, 2702..3300		
GI Descrip.	(AB018443) nonphototrophic hypocotyl 1b [Oryza sativa]		

Seq. No.	35460	Seq. ID	OJ990528_02.9A25.C15
Gene No.	73261	Strand	-
Start	521	End	4298
Name	OJ990528_02.9A25.C15.o1.tc	Method	TBLASTX:Cress
Start	1629	End	3048
GI	none	Score	52
Exons	1629..1700, 1633..1701, 1808..1933, 1812..1937, 2351..2401, 2353..2406, 2509..2598, 2525..2599, 2690..3046, 2701..3048, 2701..3027, 2822..2980, 2908..3048		

Seq. No.	35460	Seq. ID	OJ990528_02.9A25.C15
Gene No.	73261	Strand	-
Start	521	End	4298
Name	OJ990528_02.9A25.C15.o1.ts	Method	TBLASTX:Soybean
Start	1629	End	2980
GI	none	Score	91
Exons	1629..1700, 2344..2406, 2482..2598, 2525..2599, 2690..2980, 2701..2979		

Seq. No.	35460	Seq. ID	OJ990528_02.9A25.C15
Gene No.	73261	Strand	-
Start	521	End	4298
Name	OJ990528_02.9A25.C15.o1.gp	Method	AAT/GAP
Start	1630	End	3928
GI	77_1.R1084	Score	2776
Exons	1630..1700, 1811..2039, 2123..2408, 2508..2599, 2702..3376, 3809..3928		
GI Descrip.	'6006310/dbj\|BAA84779.1\| 0.0e+00 (AB018443) nonphototrophic hypocotyl 1b [Oryza sativa]'		

Seq. No.	35460	Seq. ID	OJ990528_02.9A25.C15
Gene No.	73261	Strand	-
Start	521	End	4298
Name	OJ990528_02.9A25.C15.o2.gs	Method	GENSCAN
Start	1733	End	4298
GI	none	Score	.43
Exons	1733..2039, 2123..2599, 2702..3324, 4065..4298		

Seq. No.	35461	Seq. ID	OJ990528_02.9A25.C17
Gene No.	73262	Strand	+
Start	401	End	569
Name	OJ990528_02.9A25.C17.o1.gs	Method	GENSCAN
Start	401	End	569
GI	none	Score	.9
Exons	401..479, 526..569		

Seq. No.	35461	Seq. ID	OJ990528_02.9A25.C17
Gene No.	73263	Strand	+
Start	4295	End	5331
Name	OJ990528_02.9A25.C17.o1.np	Method	AAT/NAP
Start	4295	End	5331
GI	5922623	Score	147
Exons	4295..4405, 4969..5084, 5255..5331		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	35461	Seq. ID	OJ990528_02.9A25.C17
Gene No.	73264	Strand	-
Start	2748	End	4999
Name	OJ990528_02.9A25.C17.o2.gs	Method	GENSCAN
Start	2748	End	4999
GI	none	Score	.49
Exons	2748..2875, 2950..3081, 3952..4085, 4235..4278, 4328..4498, 4910..4999		

Seq. No.	35462	Seq. ID	OJ990528_02.9A25.C19

Gene No.	73265	Strand	-
Start	30	End	134
Name	OJ990528_02.9A25.C19.o1.gs	Method	GENSCAN
Start	30	End	134
GI	none	Score	.59
Exons	30..134		

Seq. No.	35463	Seq. ID	OJ990528_02.9A25.C21
Gene No.	73266	Strand	-
Start	528	End	698
Name	OJ990528_02.9A25.C21.o1.gs	Method	GENSCAN
Start	528	End	698
GI	none	Score	.86
Exons	528..698		

Seq. No.	35464	Seq. ID	OJ990528_02.9A25.C23
Gene No.	73267	Strand	+
Start	149	End	382
Name	OJ990528_02.9A25.C23.o1.gs	Method	GENSCAN
Start	149	End	382
GI	none	Score	.41
Exons	149..382		

Seq. No.	35465	Seq. ID	OJ990528_02.9A25.C25
Gene No.	73268	Strand	-
Start	35	End	471
Name	OJ990528_02.9A25.C25.o1.tw	Method	TBLASTX:Wheat
Start	1	End	188
GI	none	Score	128
Exons	1..186, 1..93, 3..188, 3..188		

Seq. No.	35465	Seq. ID	OJ990528_02.9A25.C25
Gene No.	73268	Strand	-
Start	35	End	471
Name	OJ990528_02.9A25.C25.o1.np	Method	AAT/NAP
Start	35	End	471
GI	5902444	Score	377
Exons	35..471		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	35465	Seq. ID	OJ990528_02.9A25.C25
Gene No.	73268	Strand	-
Start	35	End	471
Name	OJ990528_02.9A25.C25.o1.gs	Method	GENSCAN
Start	198	End	359
GI	none	Score	.56
Exons	198..359		

Seq. No.	35465	Seq. ID	OJ990528_02.9A25.C25
Gene No.	73268	Strand	-
Start	35	End	471
Name	OJ990528_02.9A25.C25.o1.tm	Method	TBLASTX:Maize
Start	209	End	410
GI	none	Score	112
Exons	209..364, 234..410, 265..399, 279..410		

Seq. No.	35465	Seq. ID	OJ990528_02.9A25.C25

Gene No.	73268	Strand	-
Start	35	End	471
Name	OJ990528_02.9A25.C25.o2.tw	Method	TBLASTX:Wheat
Start	262	End	471
GI	none	Score	77
Exons	262..384, 264..470, 409..471		

Seq. No.	35466	Seq. ID	OJ990528_02.9A25.C27
Gene No.	73269	Strand	+
Start	1	End	942
Name	OJ990528_02.9A25.C27.o1.np	Method	AAT/NAP
Start	1	End	942
GI	2864613	Score	633
Exons	1..942		
GI Descrip.	(AL021811) S-receptor kinase -like protein [Arabidopsis thaliana] gi\|4049333\|emb\|CAA22558.1\| (AL034567) S-receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	35466	Seq. ID	OJ990528_02.9A25.C27
Gene No.	73269	Strand	+
Start	1	End	942
Name	OJ990528_02.9A25.C27.o1.gs	Method	GENSCAN
Start	17	End	742
GI	none	Score	.52
Exons	17..742		

Seq. No.	35466	Seq. ID	OJ990528_02.9A25.C27
Gene No.	73269	Strand	+
Start	1	End	942
Name	OJ990528_02.9A25.C27.o1.tc	Method	TBLASTX:Cress
Start	29	End	619
GI	none	Score	60
Exons	29..139, 94..258, 95..274, 299..541, 304..534, 548..619		

Seq. No.	35466	Seq. ID	OJ990528_02.9A25.C27
Gene No.	73269	Strand	+
Start	1	End	942
Name	OJ990528_02.9A25.C27.o2.tm	Method	TBLASTX:Maize
Start	29	End	295
GI	none	Score	80
Exons	29..103, 37..102, 94..264, 95..295		

Seq. No.	35466	Seq. ID	OJ990528_02.9A25.C27
Gene No.	73269	Strand	+
Start	1	End	942
Name	OJ990528_02.9A25.C27.o1.ts	Method	TBLASTX:Soybean
Start	124	End	724
GI	none	Score	159
Exons	124..270, 125..277, 263..532, 293..535, 334..534, 535..609, 539..724		

Seq. No.	35466	Seq. ID	OJ990528_02.9A25.C27
Gene No.	73269	Strand	+
Start	1	End	942
Name	OJ990528_02.9A25.C27.o1.tw	Method	TBLASTX:Wheat
Start	145	End	550
GI	none	Score	291

Exons	145..456, 146..484, 500..550		
Seq. No.	35466	Seq. ID	OJ990528_02.9A25.C27
Gene No.	73269	Strand	+
Start	1	End	942
Name	OJ990528_02.9A25.C27.o1.tm	Method	TBLASTX:Maize
Start	337	End	742
GI	none	Score	494
Exons	337..657, 338..742, 353..715		
Seq. No.	35467	Seq. ID	OJ990528_02.9A25.C28
Gene No.	73270	Strand	-
Start	1	End	1347
Name	OJ990528_02.9A25.C28.o1.np	Method	AAT/NAP
Start	1	End	1347
GI	2864613	Score	358
Exons	1..777, 931..1347		
GI Descrip.	(AL021811) S-receptor kinase -like protein [Arabidopsis thaliana] gi\|4049333\|emb\|CAA22558.1\| (AL034567) S-receptor kinase-like protein [Arabidopsis thaliana]		
Seq. No.	35467	Seq. ID	OJ990528_02.9A25.C28
Gene No.	73270	Strand	-
Start	1	End	1347
Name	OJ990528_02.9A25.C28.o1.tc	Method	TBLASTX:Cress
Start	57	End	296
GI	none	Score	124
Exons	57..296, 67..291		
Seq. No.	35467	Seq. ID	OJ990528_02.9A25.C28
Gene No.	73270	Strand	-
Start	1	End	1347
Name	OJ990528_02.9A25.C28.o1.tm	Method	TBLASTX:Maize
Start	57	End	323
GI	none	Score	64
Exons	57..116, 114..290, 123..266, 142..288, 276..323		
Seq. No.	35467	Seq. ID	OJ990528_02.9A25.C28
Gene No.	73270	Strand	-
Start	1	End	1347
Name	OJ990528_02.9A25.C28.o1.ts	Method	TBLASTX:Soybean
Start	57	End	396
GI	none	Score	122
Exons	57..320, 58..288, 340..396		
Seq. No.	35467	Seq. ID	OJ990528_02.9A25.C28
Gene No.	73270	Strand	-
Start	1	End	1347
Name	OJ990528_02.9A25.C28.o1.tw	Method	TBLASTX:Wheat
Start	57	End	302
GI	none	Score	57
Exons	57..302, 208..291		
Seq. No.	35467	Seq. ID	OJ990528_02.9A25.C28
Gene No.	73270	Strand	-
Start	1	End	1347
Name	OJ990528_02.9A25.C28.o1.gs	Method	GENSCAN

Start	100	End	1316
GI	none	Score	.47
Exons	100..1316		

Seq. No.	35468	Seq. ID	OJ990528_02.9A25.C29
Gene No.	73271	Strand	+
Start	980	End	1588
Name	OJ990528_02.9A25.C29.o1.np	Method	AAT/NAP
Start	980	End	1588
GI	6069646	Score	257
Exons	980..1588		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	35468	Seq. ID	OJ990528_02.9A25.C29
Gene No.	73272	Strand	-
Start	22	End	4405
Name	OJ990528_02.9A25.C29.o1.gs	Method	GENSCAN
Start	22	End	3169
GI	none	Score	.81
Exons	22..156, 240..442, 1965..2183, 2228..2474, 2915..3169		

Seq. No.	35468	Seq. ID	OJ990528_02.9A25.C29
Gene No.	73272	Strand	-
Start	22	End	4405
Name	OJ990528_02.9A25.C29.o2.tm	Method	TBLASTX:Maize
Start	1002	End	2387
GI	none	Score	63
Exons	1002..1085, 1101..1334, 1107..1301, 1428..1586, 1968..2150, 2132..2386, 2133..2387		

Seq. No.	35468	Seq. ID	OJ990528_02.9A25.C29
Gene No.	73272	Strand	-
Start	22	End	4405
Name	OJ990528_02.9A25.C29.o1.tw	Method	TBLASTX:Wheat
Start	1101	End	2383
GI	none	Score	105
Exons	1101..1196, 1251..1301, 1398..1460, 2061..2108, 2153..2203, 2198..2383		

Seq. No.	35468	Seq. ID	OJ990528_02.9A25.C29
Gene No.	73272	Strand	-
Start	22	End	4405
Name	OJ990528_02.9A25.C29.o2.np	Method	AAT/NAP
Start	1931	End	4405
GI	6069646	Score	598
Exons	1931..2899, 3181..3331, 4341..4405		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	35468	Seq. ID	OJ990528_02.9A25.C29

Gene No.	73272	Strand	-
Start	22	End	4405
Name	OJ990528_02.9A25.C29.o3.tm	Method	TBLASTX:Maize
Start	2657	End	2948
GI	none	Score	54
Exons	2657..2944, 2687..2767, 2886..2948		

Seq. No.	35468	Seq. ID	OJ990528_02.9A25.C29
Gene No.	73272	Strand	-
Start	22	End	4405
Name	OJ990528_02.9A25.C29.o2.tw	Method	TBLASTX:Wheat
Start	2879	End	3318
GI	none	Score	81
Exons	2879..2935, 3019..3318, 3020..3313		

Seq. No.	35468	Seq. ID	OJ990528_02.9A25.C29
Gene No.	73272	Strand	-
Start	22	End	4405
Name	OJ990528_02.9A25.C29.o1.tm	Method	TBLASTX:Maize
Start	2953	End	3336
GI	none	Score	74
Exons	2953..3336, 2956..3168, 3107..3328		

Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73273	Strand	+
Start	735	End	5684
Name	OJ990528_02.9A25.C30.o1.gs	Method	GENSCAN
Start	735	End	5684
GI	none	Score	.64
Exons	735..780, 2355..2468, 2716..2916, 3035..3639, 3726..4015, 4098..4456, 4534..4721, 5030..5159, 5233..5684		

Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73273	Strand	+
Start	735	End	5684
Name	OJ990528_02.9A25.C30.o1.np	Method	AAT/NAP
Start	2755	End	5672
GI	6691716	Score	2540
Exons	2755..3649, 3841..4015, 4098..4198, 4277..4456, 4534..4721, 4796..4898, 5046..5159, 5233..5672		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o8.tw	Method	TBLASTX:Wheat
Start	2875	End	3165
GI	none	Score	213
Exons	2875..3165, 3015..3128		

Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o2.gs	Method	GENSCAN
Start	6026	End	8090

GI	none	Score	.54
Exons	6026..6838, 7465..8031, 8055..8090		

Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o2.tw	Method	TBLASTX:Wheat
Start	6038	End	6652
GI	none	Score	90
Exons	6038..6175, 6161..6652, 6390..6497, 6546..6632		

Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o2.np	Method	AAT/NAP
Start	6062	End	11637
GI	5922631	Score	6356
Exons	6062..8579, 8700..9611, 9738..9888, 9931..10506, 10552..10751, 11010..11254, 11513..11637		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o4.tm	Method	TBLASTX:Maize
Start	6077	End	6331
GI	none	Score	98
Exons	6077..6178, 6078..6179, 6158..6331, 6159..6284		

Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o6.tm	Method	TBLASTX:Maize
Start	6422	End	6695
GI	none	Score	53
Exons	6422..6520, 6521..6601, 6532..6606, 6596..6694, 6597..6695		

Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o3.tw	Method	TBLASTX:Wheat
Start	6765	End	7153
GI	none	Score	54
Exons	6765..6812, 6767..6952, 6767..7153, 6843..7130		

Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o2.tm	Method	TBLASTX:Maize
Start	6797	End	7159
GI	none	Score	63

Exons	6797..6844, 6798..6845, 6836..7159, 6849..7136		
Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o5.tw	Method	TBLASTX:Wheat
Start	7457	End	7894
GI	none	Score	264
Exons	7457..7879, 7462..7884, 7781..7894, 7783..7887		
Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o3.ts	Method	TBLASTX:Soybean
Start	7505	End	7893
GI	none	Score	148
Exons	7505..7885, 7507..7749, 7789..7893		
Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o4.tw	Method	TBLASTX:Wheat
Start	7921	End	8350
GI	none	Score	98
Exons	7921..8349, 8165..8350		
Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o3.tm	Method	TBLASTX:Maize
Start	8008	End	8452
GI	none	Score	41
Exons	8008..8034, 8032..8175, 8044..8136, 8194..8451, 8197..8451, 8198..8452		
Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o2.ts	Method	TBLASTX:Soybean
Start	8119	End	8550
GI	none	Score	47
Exons	8119..8550, 8153..8323, 8206..8499, 8360..8503		
Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o1.tw	Method	TBLASTX:Wheat
Start	8395	End	8814
GI	none	Score	109
Exons	8395..8814, 8396..8557, 8615..8812		
Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o5.tm	Method	TBLASTX:Maize
Start	8452	End	8694
GI	none	Score	208

Exons 8452..8694

Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o3.gs	Method	GENSCAN
Start	8617	End	12332
GI	none	Score	.95

Exons 8617..9134, 9240..11293, 11513..11685, 11805..11854, 12239..12332

Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o6.tw	Method	TBLASTX:Wheat
Start	8888	End	11330
GI	none	Score	77

Exons 8888..9010, 8890..9114, 8890..9120, 9035..9124, 9172..9345, 11178..11330

Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o7.tw	Method	TBLASTX:Wheat
Start	9925	End	10327
GI	none	Score	112

Exons 9925..10326, 10058..10327

Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o3.np	Method	AAT/NAP
Start	11253	End	12730
GI	128857	Score	455

Exons 11253..11285, 12418..12730

GI Descrip. NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT J (ORF 159) gi|82539|pir||S05106 hypothetical protein 159 - rice chloroplast gi|11987|emb|CAA33999| (X15901) ORF159 [Oryza sativa] gi|226608|prf||1603356AE ORF 159 [Oryza sativa]

Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o1.gp	Method	AAT/GAP
Start	12331	End	12787
GI	LIB3477-003-P1-K1-E9	Score	134

Exons 12331..12411, 12763..12787

GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o1.tc	Method	TBLASTX:Cress
Start	12424	End	12715
GI	none	Score	64

Exons	12424..12507, 12436..12516, 12515..12715, 12516..12713		
Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o1.tm	Method	TBLASTX:Maize
Start	12424	End	12756
GI	none	Score	73
Exons	12424..12507, 12426..12515, 12428..12517, 12428..12514, 12429..12515, 12515..12742, 12516..12743, 12517..12756, 12517..12756		
Seq. No.	35469	Seq. ID	OJ990528_02.9A25.C30
Gene No.	73274	Strand	-
Start	6026	End	12787
Name	OJ990528_02.9A25.C30.o1.ts	Method	TBLASTX:Soybean
Start	12424	End	12740
GI	none	Score	56
Exons	12424..12507, 12437..12502, 12452..12514, 12515..12724, 12516..12740		
Seq. No.	35470	Seq. ID	OJ990528_02.9A25.C31
Gene No.	73275	Strand	+
Start	1	End	3605
Name	OJ990528_02.9A25.C31.o1.np	Method	AAT/NAP
Start	1	End	3602
GI	4091008	Score	301
Exons	1..80, 1834..2036, 3020..3214, 3468..3602		
GI Descrip.	(AF040700) methionyl-tRNA synthetase [Oryza sativa]		
Seq. No.	35470	Seq. ID	OJ990528_02.9A25.C31
Gene No.	73275	Strand	+
Start	1	End	3605
Name	OJ990528_02.9A25.C31.o2.gs	Method	GENSCAN
Start	1629	End	3605
GI	none	Score	.53
Exons	1629..2036, 3020..3226, 3462..3605		
Seq. No.	35470	Seq. ID	OJ990528_02.9A25.C31
Gene No.	73275	Strand	+
Start	1	End	3605
Name	OJ990528_02.9A25.C31.o1.gp	Method	AAT/GAP
Start	1912	End	3238
GI	2312534	Score	577
Exons	1912..2036, 3020..3238		
GI Descrip.	2754814 4.0e-23 (AF021800) multisynthetase complex auxiliary component p43 [Cricetulus griseus]		
Seq. No.	35470	Seq. ID	OJ990528_02.9A25.C31
Gene No.	73276	Strand	-
Start	257	End	1215
Name	OJ990528_02.9A25.C31.o1.gs	Method	GENSCAN
Start	257	End	1215
GI	none	Score	.62
Exons	257..768, 841..946, 1129..1215		
Seq. No.	35470	Seq. ID	OJ990528_02.9A25.C31

Gene No.	73277	Strand	-
Start	4470	End	7619
Name	OJ990528_02.9A25.C31.o1.tm	Method	TBLASTX:Maize
Start	1887	End	3628
GI	none	Score	241
Exons	1887..2036, 1898..2038, 2991..3227, 3009..3227, 3014..3229, 3019..3228, 3445..3609, 3462..3596, 3476..3628		

Seq. No.	35470	Seq. ID	OJ990528_02.9A25.C31
Gene No.	73277	Strand	-
Start	4470	End	7619
Name	OJ990528_02.9A25.C31.o1.ts	Method	TBLASTX:Soybean
Start	1887	End	3229
GI	none	Score	194
Exons	1887..2036, 2976..3212, 3004..3228, 3011..3229		

Seq. No.	35470	Seq. ID	OJ990528_02.9A25.C31
Gene No.	73277	Strand	-
Start	4470	End	7619
Name	OJ990528_02.9A25.C31.o1.tc	Method	TBLASTX:Cress
Start	3014	End	3593
GI	none	Score	270
Exons	3014..3229, 3028..3228, 3462..3593		

Seq. No.	35470	Seq. ID	OJ990528_02.9A25.C31
Gene No.	73277	Strand	-
Start	4470	End	7619
Name	OJ990528_02.9A25.C31.o2.np	Method	AAT/NAP
Start	4414	End	7619
GI	3885327	Score	382
Exons	4414..4588, 5018..5108, 5871..5957, 6932..6987, 7058..7157, 7599..7619		
GI Descrip.	(AC005623) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35470	Seq. ID	OJ990528_02.9A25.C31
Gene No.	73277	Strand	-
Start	4470	End	7619
Name	OJ990528_02.9A25.C31.o3.gs	Method	GENSCAN
Start	4470	End	5108
GI	none	Score	.96
Exons	4470..4588, 5018..5108		

Seq. No.	35470	Seq. ID	OJ990528_02.9A25.C31
Gene No.	73277	Strand	-
Start	4470	End	7619
Name	OJ990528_02.9A25.C31.o2.tm	Method	TBLASTX:Maize
Start	4497	End	7157
GI	none	Score	82
Exons	4497..4589, 4498..4593, 4524..4595, 5014..5124, 5015..5152, 5019..5141, 5835..5957, 5837..5947, 5871..5960, 5872..5958, 6902..7006, 6903..6989, 7045..7140, 7056..7142, 7056..7157		

Seq. No.	35471	Seq. ID	OJ990528_02.9A25.C32
Gene No.	73278	Strand	+
Start	5716	End	12231
Name	OJ990528_02.9A25.C32.o2.np	Method	AAT/NAP
Start	5716	End	12231

GI	6630459	Score	130
Exons	5716..5779, 6984..7261, 11124..11160, 12074..12231		
GI Descrip.	(AC007190) F23N19.12 [Arabidopsis thaliana]		

Seq. No.	35471	Seq. ID	OJ990528_02.9A25.C32
Gene No.	73279	Strand	-
Start	711	End	7209
Name	OJ990528_02.9A25.C32.o1.np	Method	AAT/NAP
Start	711	End	1464
GI	3885327	Score	91
Exons	711..787, 1359..1464		
GI Descrip.	(AC005623) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35471	Seq. ID	OJ990528_02.9A25.C32
Gene No.	73279	Strand	-
Start	711	End	7209
Name	OJ990528_02.9A25.C32.o1.gs	Method	GENSCAN
Start	1354	End	7209
GI	none	Score	.7
Exons	1354..1469, 2239..2400, 2571..2737, 3772..3902, 3977..4054, 6672..7024, 7029..7209		

Seq. No.	35471	Seq. ID	OJ990528_02.9A25.C32
Gene No.	73280	Strand	-
Start	8670	End	11247
Name	OJ990528_02.9A25.C32.o2.gs	Method	GENSCAN
Start	8670	End	11247
GI	none	Score	.65
Exons	8670..8673, 9118..9279, 10847..10929, 11002..11247		

Seq. No.	35471	Seq. ID	OJ990528_02.9A25.C32
Gene No.	73281	Strand	-
Start	11804	End	11946
Name	OJ990528_02.9A25.C32.o3.gs	Method	GENSCAN
Start	11804	End	11946
GI	none	Score	.98
Exons	11804..11946		

Seq. No.	35472	Seq. ID	OJ990528_02.9A25.C34
Gene No.	73282	Strand	+
Start	1	End	2813
Name	OJ990528_02.9A25.C34.o1.np	Method	AAT/NAP
Start	1	End	2813
GI	5042454	Score	2557
Exons	1..51, 392..502, 558..1975, 2731..2813		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	35472	Seq. ID	OJ990528_02.9A25.C34
Gene No.	73282	Strand	+
Start	1	End	2813
Name	OJ990528_02.9A25.C34.o2.np	Method	AAT/NAP
Start	1	End	2813
GI	4378066	Score	231
Exons	1..75, 2215..2813		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi\|4680208\|gb\|AAD27571.1\|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	35472	Seq. ID	OJ990528_02.9A25.C34
Gene No.	73282	Strand	+
Start	1	End	2813
Name	OJ990528_02.9A25.C34.o2.tw	Method	TBLASTX:Wheat
Start	1233	End	1625
GI	none	Score	58
Exons	1233..1280, 1287..1385, 1304..1384, 1352..1591, 1368..1625		

Seq. No.	35472	Seq. ID	OJ990528_02.9A25.C34
Gene No.	73282	Strand	+
Start	1	End	2813
Name	OJ990528_02.9A25.C34.o1.tm	Method	TBLASTX:Maize
Start	1238	End	1523
GI	none	Score	193
Exons	1238..1522, 1275..1523		

Seq. No.	35472	Seq. ID	OJ990528_02.9A25.C34
Gene No.	73282	Strand	+
Start	1	End	2813
Name	OJ990528_02.9A25.C34.o1.tw	Method	TBLASTX:Wheat
Start	2363	End	2813
GI	none	Score	406
Exons	2363..2536, 2364..2813, 2558..2812		

Seq. No.	35473	Seq. ID	OJ990528_02.9A25.C35
Gene No.	73283	Strand	+
Start	1	End	2987
Name	OJ990528_02.9A25.C35.o1.np	Method	AAT/NAP
Start	1	End	2987
GI	6498441	Score	3106
Exons	1..420, 604..738, 913..1151, 1343..1827, 1999..2046, 2078..2987		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	35473	Seq. ID	OJ990528_02.9A25.C35
Gene No.	73283	Strand	+
Start	1	End	2987
Name	OJ990528_02.9A25.C35.o1.tw	Method	TBLASTX:Wheat
Start	54	End	517
GI	none	Score	96
Exons	54..230, 55..516, 56..517		

Seq. No.	35473	Seq. ID	OJ990528_02.9A25.C35
Gene No.	73283	Strand	+
Start	1	End	2987
Name	OJ990528_02.9A25.C35.o2.ts	Method	TBLASTX:Soybean
Start	95	End	460
GI	none	Score	117
Exons	95..319, 326..460		

Seq. No.	35473	Seq. ID	OJ990528_02.9A25.C35
Gene No.	73283	Strand	+
Start	1	End	2987
Name	OJ990528_02.9A25.C35.o1.gs	Method	GENSCAN
Start	110	End	2879

GI	none	Score	.42
Exons	110..1208, 1370..1827, 2235..2879		

Seq. No.	35473	Seq. ID	OJ990528_02.9A25.C35
Gene No.	73283	Strand	+
Start	1	End	2987
Name	OJ990528_02.9A25.C35.o1.tm	Method	TBLASTX:Maize
Start	185	End	541
GI	none	Score	392
Exons	185..541, 220..531, 272..541		

Seq. No.	35473	Seq. ID	OJ990528_02.9A25.C35
Gene No.	73283	Strand	+
Start	1	End	2987
Name	OJ990528_02.9A25.C35.o2.tm	Method	TBLASTX:Maize
Start	568	End	952
GI	none	Score	360
Exons	568..933, 569..952		

Seq. No.	35473	Seq. ID	OJ990528_02.9A25.C35
Gene No.	73283	Strand	+
Start	1	End	2987
Name	OJ990528_02.9A25.C35.o2.tw	Method	TBLASTX:Wheat
Start	626	End	1050
GI	none	Score	488
Exons	626..1045, 631..1050		

Seq. No.	35473	Seq. ID	OJ990528_02.9A25.C35
Gene No.	73283	Strand	+
Start	1	End	2987
Name	OJ990528_02.9A25.C35.o1.ts	Method	TBLASTX:Soybean
Start	704	End	1075
GI	none	Score	271
Exons	704..1075, 721..864		

Seq. No.	35473	Seq. ID	OJ990528_02.9A25.C35
Gene No.	73283	Strand	+
Start	1	End	2987
Name	OJ990528_02.9A25.C35.o3.tw	Method	TBLASTX:Wheat
Start	1455	End	1863
GI	none	Score	275
Exons	1455..1523, 1573..1863, 1587..1850		

Seq. No.	35473	Seq. ID	OJ990528_02.9A25.C35
Gene No.	73283	Strand	+
Start	1	End	2987
Name	OJ990528_02.9A25.C35.o5.tw	Method	TBLASTX:Wheat
Start	2211	End	2477
GI	none	Score	185
Exons	2211..2477, 2223..2366		

Seq. No.	35473	Seq. ID	OJ990528_02.9A25.C35
Gene No.	73283	Strand	+
Start	1	End	2987
Name	OJ990528_02.9A25.C35.o4.tw	Method	TBLASTX:Wheat
Start	2568	End	2926
GI	none	Score	153

Exons	2568..2825, 2726..2812, 2804..2926		
Seq. No.	35473	Seq. ID	OJ990528_02.9A25.C35
Gene No.	73283	Strand	+
Start	1	End	2987
Name	OJ990528_02.9A25.C35.o3.tm	Method	TBLASTX:Maize
Start	2670	End	2926
GI	none	Score	131
Exons	2670..2825, 2699..2824, 2809..2925, 2810..2926		
Seq. No.	35474	Seq. ID	OJ990528_02.9A25.C36
Gene No.	73284	Strand	+
Start	56	End	292
Name	OJ990528_02.9A25.C36.o1.gs	Method	GENSCAN
Start	56	End	292
GI	none	Score	.83
Exons	56..292		
Seq. No.	35474	Seq. ID	OJ990528_02.9A25.C36
Gene No.	73285	Strand	-
Start	929	End	1885
Name	OJ990528_02.9A25.C36.o1.tm	Method	TBLASTX:Maize
Start	149	End	319
GI	none	Score	196
Exons	149..319, 154..318		
Seq. No.	35474	Seq. ID	OJ990528_02.9A25.C36
Gene No.	73285	Strand	-
Start	929	End	1885
Name	OJ990528_02.9A25.C36.o2.gs	Method	GENSCAN
Start	929	End	1864
GI	none	Score	.96
Exons	929..1864		
Seq. No.	35474	Seq. ID	OJ990528_02.9A25.C36
Gene No.	73285	Strand	-
Start	929	End	1885
Name	OJ990528_02.9A25.C36.o1.np	Method	AAT/NAP
Start	932	End	1885
GI	6907089	Score	1212
Exons	932..1885		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	35475	Seq. ID	OJ990528_02.9A25.C37
Gene No.	73286	Strand	+
Start	3727	End	11059
Name	OJ990528_02.9A25.C37.o2.np	Method	AAT/NAP
Start	3727	End	11059
GI	5042454	Score	324
Exons	3727..3873, 4214..4313, 10994..11059		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	35475	Seq. ID	OJ990528_02.9A25.C37
Gene No.	73287	Strand	-
Start	1	End	2616
Name	OJ990528_02.9A25.C37.o1.np	Method	AAT/NAP
Start	1	End	2616

GI	6907089	Score	3335
Exons	1..1262, 1355..2616		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	35475	Seq. ID	OJ990528_02.9A25.C37
Gene No.	73287	Strand	-
Start	1	End	2616
Name	OJ990528_02.9A25.C37.o1.gs	Method	GENSCAN
Start	100	End	2616
GI	none	Score	.91
Exons	100..1262, 1355..2616		

Seq. No.	35475	Seq. ID	OJ990528_02.9A25.C37
Gene No.	73288	Strand	-
Start	5853	End	10636
Name	OJ990528_02.9A25.C37.o1.gp	Method	AAT/GAP
Start	5204	End	10632
GI	77_1.R1084	Score	2257
Exons	5204..5438, 5852..5954, 6043..6183, 6442..6554, 7437..7488, 7722..7844, 8169..8275, 8464..8513, 9468..9571, 9794..9874, 10013..10097, 10554..10632		
GI Descrip.	'6006310/dbj\|BAA84779.1\| 0.0e+00 (AB018443) nonphototrophic hypocotyl 1b [Oryza sativa]'		

Seq. No.	35475	Seq. ID	OJ990528_02.9A25.C37
Gene No.	73288	Strand	-
Start	5853	End	10636
Name	OJ990528_02.9A25.C37.o3.gs	Method	GENSCAN
Start	5853	End	10636
GI	none	Score	.8
Exons	5853..5954, 6442..6554, 6905..6941, 7722..7844, 8169..8275, 8464..8513, 9794..9918, 10013..10097, 10554..10636		

Seq. No.	35475	Seq. ID	OJ990528_02.9A25.C37
Gene No.	73288	Strand	-
Start	5853	End	10636
Name	OJ990528_02.9A25.C37.o3.np	Method	AAT/NAP
Start	5856	End	10630
GI	6006310	Score	1490
Exons	5856..5954, 6043..6183, 6442..6554, 7437..7488, 7722..7844, 8169..8275, 8464..8513, 9468..9571, 9794..9874, 10013..10097, 10554..10630		
GI Descrip.	(AB018443) nonphototrophic hypocotyl 1b [Oryza sativa]		

Seq. No.	35475	Seq. ID	OJ990528_02.9A25.C37
Gene No.	73288	Strand	-
Start	5853	End	10636
Name	OJ990528_02.9A25.C37.o1.tm	Method	TBLASTX:Maize
Start	5877	End	9548
GI	none	Score	55
Exons	5877..5951, 5880..5939, 5881..5952, 6041..6184, 6041..6184, 6042..6185, 6042..6185, 6043..6189, 6437..6535, 6439..6534, 6533..6586, 7379..7489, 7435..7488, 7705..7824, 7722..7820, 8164..8277, 8166..8279, 8459..8515, 8459..8515, 8460..8528, 9464..9544, 9467..9544, 9468..9548		

Seq. No.	35475	Seq. ID	OJ990528_02.9A25.C37

Gene No.	73288	Strand	-
Start	5853	End	10636
Name	OJ990528_02.9A25.C37.o1.tc	Method	TBLASTX:Cress
Start	5880	End	10619
GI	none	Score	125
Exons	5880..5954, 6043..6189, 6044..6184, 6437..6562, 6439..6585, 7433..7489, 7435..7488, 7711..7818, 7722..7847, 8164..8277, 8166..8279, 8168..8320, 8457..8528, 8459..8515, 9464..9577, 9468..9578, 9794..9877, 10013..10099, 10014..10100, 10554..10619, 10556..10618		

Seq. No.	35476	Seq. ID	OJ990528_02.9A25.C38
Gene No.	73289	Strand	-
Start	1	End	753
Name	OJ990528_02.9A25.C38.o1.np	Method	AAT/NAP
Start	1	End	753
GI	6006310	Score	109
Exons	1..23, 395..484, 680..753		
GI Descrip.	(AB018443) nonphototrophic hypocotyl 1b [Oryza sativa]		

Seq. No.	35476	Seq. ID	OJ990528_02.9A25.C38
Gene No.	73289	Strand	-
Start	1	End	753
Name	OJ990528_02.9A25.C38.o1.gp	Method	AAT/GAP
Start	394	End	484
GI	77_1.R1084	Score	139
Exons	394..484		
GI Descrip.	'6006310/dbj\|BAA84779.1\| 0.0e+00 (AB018443) nonphototrophic hypocotyl 1b [Oryza sativa]'		

Seq. No.	35476	Seq. ID	OJ990528_02.9A25.C38
Gene No.	73289	Strand	-
Start	1	End	753
Name	OJ990528_02.9A25.C38.o1.gs	Method	GENSCAN
Start	395	End	484
GI	none	Score	.83
Exons	395..484		

Seq. No.	35477	Seq. ID	OJ990528_02.9A25.C40
Gene No.	73290	Strand	-
Start	1	End	953
Name	OJ990528_02.9A25.C40.o1.np	Method	AAT/NAP
Start	1	End	953
GI	6498441	Score	963
Exons	1..214, 278..741, 883..953		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	35477	Seq. ID	OJ990528_02.9A25.C40
Gene No.	73290	Strand	-
Start	1	End	953
Name	OJ990528_02.9A25.C40.o1.tm	Method	TBLASTX:Maize
Start	69	End	248
GI	none	Score	166
Exons	69..248, 71..244		

Seq. No.	35477	Seq. ID	OJ990528_02.9A25.C40
Gene No.	73290	Strand	-
Start	1	End	953
Name	OJ990528_02.9A25.C40.o1.tw	Method	TBLASTX:Wheat
Start	86	End	857
GI	none	Score	158
Exons	86..340, 87..230, 101..283, 371..856, 375..662, 398..856, 684..857		

Seq. No.	35477	Seq. ID	OJ990528_02.9A25.C40
Gene No.	73290	Strand	-
Start	1	End	953
Name	OJ990528_02.9A25.C40.o1.gs	Method	GENSCAN
Start	215	End	934
GI	none	Score	.71
Exons	215..934		

Seq. No.	35478	Seq. ID	OJ990528_02.9A25.C42
Gene No.	73291	Strand	-
Start	298	End	468
Name	OJ990528_02.9A25.C42.o1.gs	Method	GENSCAN
Start	298	End	468
GI	none	Score	.82
Exons	298..468		

Seq. No.	35479	Seq. ID	OJ990528_02.9A25.C43
Gene No.	73292	Strand	+
Start	204	End	724
Name	OJ990528_02.9A25.C43.o1.gs	Method	GENSCAN
Start	204	End	691
GI	none	Score	.74
Exons	204..530, 549..691		

Seq. No.	35479	Seq. ID	OJ990528_02.9A25.C43
Gene No.	73292	Strand	+
Start	204	End	724
Name	OJ990528_02.9A25.C43.o1.np	Method	AAT/NAP
Start	204	End	724
GI	6907089	Score	865
Exons	204..724		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	35480	Seq. ID	OJ990528_02.9A25.C44
Gene No.	73293	Strand	+
Start	1	End	643
Name	OJ990528_02.9A25.C44.o1.np	Method	AAT/NAP
Start	1	End	643
GI	6742729	Score	924
Exons	1..643		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	35480	Seq. ID	OJ990528_02.9A25.C44
Gene No.	73293	Strand	+
Start	1	End	643
Name	OJ990528_02.9A25.C44.o1.tw	Method	TBLASTX:Wheat
Start	119	End	642
GI	none	Score	184

Exons	119..298, 120..299, 157..336, 275..529, 279..575, 280..642, 313..642		
Seq. No.	35480	Seq. ID	OJ990528_02.9A25.C44
Gene No.	73293	Strand	+
Start	1	End	643
Name	OJ990528_02.9A25.C44.o1.tm	Method	TBLASTX:Maize
Start	162	End	466
GI	none	Score	106
Exons	162..299, 275..466, 280..435		
Seq. No.	35480	Seq. ID	OJ990528_02.9A25.C44
Gene No.	73293	Strand	+
Start	1	End	643
Name	OJ990528_02.9A25.C44.o1.gs	Method	GENSCAN
Start	260	End	589
GI	none	Score	.5
Exons	260..589		
Seq. No.	35480	Seq. ID	OJ990528_02.9A25.C44
Gene No.	73293	Strand	+
Start	1	End	643
Name	OJ990528_02.9A25.C44.o1.tc	Method	TBLASTX:Cress
Start	397	End	642
GI	none	Score	173
Exons	397..642, 401..529, 575..640		
Seq. No.	35481	Seq. ID	OJ990528_02.9A25.C45
Gene No.	73294	Strand	+
Start	433	End	516
Name	OJ990528_02.9A25.C45.o1.gs	Method	GENSCAN
Start	433	End	516
GI	none	Score	.89
Exons	433..516		
Seq. No.	35482	Seq. ID	OJ990528_02.9A25.C46
Gene No.	73295	Strand	+
Start	1	End	580
Name	OJ990528_02.9A25.C46.o1.np	Method	AAT/NAP
Start	1	End	580
GI	5902445	Score	806
Exons	1..580		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	35482	Seq. ID	OJ990528_02.9A25.C46
Gene No.	73296	Strand	-
Start	186	End	540
Name	OJ990528_02.9A25.C46.o1.ts	Method	TBLASTX:Soybean
Start	1	End	426
GI	none	Score	297
Exons	1..426, 42..185, 46..339, 222..392		
Seq. No.	35482	Seq. ID	OJ990528_02.9A25.C46
Gene No.	73296	Strand	-
Start	186	End	540
Name	OJ990528_02.9A25.C46.o1.tw	Method	TBLASTX:Wheat
Start	1	End	371

GI	none	Score	387
Exons	1..366, 1..348, 3..371		

Seq. No.	35482	Seq. ID	OJ990528_02.9A25.C46
Gene No.	73296	Strand	-
Start	186	End	540
Name	OJ990528_02.9A25.C46.o1.tm	Method	TBLASTX:Maize
Start	93	End	537
GI	none	Score	252
Exons	93..347, 94..348, 94..351, 370..513, 409..501, 511..537		

Seq. No.	35482	Seq. ID	OJ990528_02.9A25.C46
Gene No.	73296	Strand	-
Start	186	End	540
Name	OJ990528_02.9A25.C46.o1.gs	Method	GENSCAN
Start	186	End	456
GI	none	Score	.44
Exons	186..264, 389..456		

Seq. No.	35482	Seq. ID	OJ990528_02.9A25.C46
Gene No.	73296	Strand	-
Start	186	End	540
Name	OJ990528_02.9A25.C46.o2.tw	Method	TBLASTX:Wheat
Start	376	End	540
GI	none	Score	173
Exons	376..540, 388..456		

Seq. No.	35483	Seq. ID	OJ990528_02.9A25.C47
Gene No.	73297	Strand	-
Start	12	End	1513
Name	OJ990528_02.9A25.C47.o1.gs	Method	GENSCAN
Start	12	End	1251
GI	none	Score	.59
Exons	12..372, 833..927, 990..1251		

Seq. No.	35483	Seq. ID	OJ990528_02.9A25.C47
Gene No.	73297	Strand	-
Start	12	End	1513
Name	OJ990528_02.9A25.C47.o1.np	Method	AAT/NAP
Start	43	End	1513
GI	5852182	Score	424
Exons	43..372, 1472..1513		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	35484	Seq. ID	OJ990528_02.9A25.C49
Gene No.	73298	Strand	-
Start	154	End	241
Name	OJ990528_02.9A25.C49.o1.gs	Method	GENSCAN
Start	154	End	241
GI	none	Score	.53
Exons	154..241		

Seq. No.	35485	Seq. ID	OJ990528_02.9A25.C50
Gene No.	73299	Strand	-
Start	170	End	596
Name	OJ990528_02.9A25.C50.o1.gs	Method	GENSCAN
Start	170	End	596

GI	none	Score	.62
Exons	170..280, 394..596		

Seq. No.	35486	Seq. ID	OJ990528_02.9A25.C51
Gene No.	73300	Strand	-
Start	621	End	1199
Name	OJ990528_02.9A25.C51.o1.gs	Method	GENSCAN
Start	621	End	1199
GI	none	Score	.72
Exons	621..749, 1050..1199		

Seq. No.	35487	Seq. ID	OJ990528_02.9A25.C52
Gene No.	73301	Strand	+
Start	385	End	1308
Name	OJ990528_02.9A25.C52.o1.gs	Method	GENSCAN
Start	385	End	1308
GI	none	Score	.45
Exons	385..435, 508..1012, 1214..1308		

Seq. No.	35488	Seq. ID	OJ990528_02.9A25.C56
Gene No.	73302	Strand	-
Start	1	End	1380
Name	OJ990528_02.9A25.C56.o1.np	Method	AAT/NAP
Start	1	End	1380
GI	2864613	Score	483
Exons	1..594, 1350..1380		
GI Descrip.	(AL021811) S-receptor kinase -like protein [Arabidopsis thaliana] gi\|4049333\|emb\|CAA22558.1\| (AL034567) S-receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	35488	Seq. ID	OJ990528_02.9A25.C56
Gene No.	73302	Strand	-
Start	1	End	1380
Name	OJ990528_02.9A25.C56.o1.tc	Method	TBLASTX:Cress
Start	2	End	479
GI	none	Score	89
Exons	2..172, 6..167, 197..376, 213..377, 332..478, 396..479		

Seq. No.	35488	Seq. ID	OJ990528_02.9A25.C56
Gene No.	73302	Strand	-
Start	1	End	1380
Name	OJ990528_02.9A25.C56.o1.tw	Method	TBLASTX:Wheat
Start	2	End	326
GI	none	Score	144
Exons	2..325, 15..326		

Seq. No.	35488	Seq. ID	OJ990528_02.9A25.C56
Gene No.	73302	Strand	-
Start	1	End	1380
Name	OJ990528_02.9A25.C56.o1.ts	Method	TBLASTX:Soybean
Start	41	End	478
GI	none	Score	174
Exons	41..376, 42..380, 374..478, 378..431		

Seq. No.	35488	Seq. ID	OJ990528_02.9A25.C56
Gene No.	73302	Strand	-
Start	1	End	1380

Name	OJ990528_02.9A25.C56.o1.tm	Method	TBLASTX:Maize
Start	50	End	478
GI	none	Score	44
Exons	50..178, 123..179, 176..376, 207..377, 368..478, 369..434		

Seq. No.	35488	Seq. ID	OJ990528_02.9A25.C56
Gene No.	73302	Strand	-
Start	1	End	1380
Name	OJ990528_02.9A25.C56.o1.gs	Method	GENSCAN
Start	154	End	1303
GI	none	Score	.44
Exons	154..1303		

Seq. No.	35488	Seq. ID	OJ990528_02.9A25.C56
Gene No.	73302	Strand	-
Start	1	End	1380
Name	OJ990528_02.9A25.C56.o2.np	Method	AAT/NAP
Start	605	End	814
GI	688421	Score	133
Exons	605..814		
GI Descrip.	(D26458) tumor-related protein [Nicotiana glauca X Nicotiana langsdorffii]		

Seq. No.	35489	Seq. ID	OJ990528_02.9A25.C57
Gene No.	73303	Strand	-
Start	22	End	7276
Name	OJ990528_02.9A25.C57.o1.gs	Method	GENSCAN
Start	22	End	7276
GI	none	Score	.49
Exons	22..110, 279..450, 524..613, 1581..1788, 3296..3386, 4599..4658, 4758..4883, 5617..5689, 5785..5895, 6009..6182, 6257..6438, 6511..6568, 6667..7031, 7247..7276		

Seq. No.	35490	Seq. ID	OJ990528_02.9A25.C59
Gene No.	73304	Strand	+
Start	92	End	764
Name	OJ990528_02.9A25.C59.o1.gs	Method	GENSCAN
Start	92	End	764
GI	none	Score	.57
Exons	92..188, 442..764		

Seq. No.	35490	Seq. ID	OJ990528_02.9A25.C59
Gene No.	73305	Strand	-
Start	1042	End	1822
Name	OJ990528_02.9A25.C59.o1.np	Method	AAT/NAP
Start	1003	End	1822
GI	2864613	Score	521
Exons	1003..1822		
GI Descrip.	(AL021811) S-receptor kinase -like protein [Arabidopsis thaliana] gi\|4049333\|emb\|CAA22558.1\| (AL034567) S-receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	35490	Seq. ID	OJ990528_02.9A25.C59
Gene No.	73305	Strand	-
Start	1042	End	1822
Name	OJ990528_02.9A25.C59.o1.tm	Method	TBLASTX:Maize
Start	1039	End	1665

GI	none	Score	173
Exons	1039..1665, 1040..1264, 1120..1338, 1349..1663, 1548..1664		
Seq. No.	35490	Seq. ID	OJ990528_02.9A25.C59
Gene No.	73305	Strand	-
Start	1042	End	1822
Name	OJ990528_02.9A25.C59.o2.gs	Method	GENSCAN
Start	1042	End	1740
GI	none	Score	.73
Exons	1042..1740		
Seq. No.	35490	Seq. ID	OJ990528_02.9A25.C59
Gene No.	73305	Strand	-
Start	1042	End	1822
Name	OJ990528_02.9A25.C59.o1.ts	Method	TBLASTX:Soybean
Start	1153	End	1821
GI	none	Score	75
Exons	1153..1272, 1294..1458, 1366..1461, 1466..1513, 1471..1707, 1744..1821		
Seq. No.	35490	Seq. ID	OJ990528_02.9A25.C59
Gene No.	73305	Strand	-
Start	1042	End	1822
Name	OJ990528_02.9A25.C59.o1.tc	Method	TBLASTX:Cress
Start	1156	End	1822
GI	none	Score	92
Exons	1156..1275, 1157..1267, 1378..1458, 1465..1707, 1472..1702, 1732..1821, 1748..1822		
Seq. No.	35490	Seq. ID	OJ990528_02.9A25.C59
Gene No.	73305	Strand	-
Start	1042	End	1822
Name	OJ990528_02.9A25.C59.o1.gp	Method	AAT/GAP
Start	1213	End	1588
GI	LIB3434-041-P1-K1-A12	Score	671
Exons	1213..1588		
GI Descrip.	'2864613/emb\|CAA16960\| 7.0e-26 (AL021811) S-receptor kinase -like protein [Arabidopsis thaliana] >gi_4049333_emb_CAA22558.1_ (AL034567) S-receptor kinase-like protein [Arabidopsis thaliana]'		
Seq. No.	35490	Seq. ID	OJ990528_02.9A25.C59
Gene No.	73305	Strand	-
Start	1042	End	1822
Name	OJ990528_02.9A25.C59.o1.tw	Method	TBLASTX:Wheat
Start	1456	End	1822
GI	none	Score	67
Exons	1456..1506, 1522..1821, 1739..1822		
Seq. No.	35491	Seq. ID	OJ990528_02.9A25.C60
Gene No.	73306	Strand	+
Start	682	End	770
Name	OJ990528_02.9A25.C60.o1.gp	Method	AAT/GAP
Start	682	End	770
GI	5867_1.R1084	Score	133
Exons	682..770		
GI Descrip.	'464986/sp\|P35132\|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING		

ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'

Seq. No.	35491	Seq. ID	OJ990528_02.9A25.C60
Gene No.	73307	Strand	+
Start	1223	End	1308
Name	OJ990528_02.9A25.C60.o1.np	Method	AAT/NAP
Start	1223	End	1308
GI	5852093	Score	39
Exons	1223..1308		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	35492	Seq. ID	OJ990528_02.9A25.C61
Gene No.	73308	Strand	+
Start	345	End	660
Name	OJ990528_02.9A25.C61.o1.gs	Method	GENSCAN
Start	345	End	660
GI	none	Score	.86
Exons	345..436, 539..660		

Seq. No.	35493	Seq. ID	OJ990528_02.9A25.C65
Gene No.	73309	Strand	-
Start	86	End	2953
Name	OJ990528_02.9A25.C65.o1.gs	Method	GENSCAN
Start	86	End	2895
GI	none	Score	.71
Exons	86..268, 544..610, 676..786, 881..1054, 1159..1844, 1846..1988, 2114..2255, 2471..2895		

Seq. No.	35493	Seq. ID	OJ990528_02.9A25.C65
Gene No.	73309	Strand	-
Start	86	End	2953
Name	OJ990528_02.9A25.C65.o1.np	Method	AAT/NAP
Start	96	End	2953
GI	4680204	Score	588
Exons	96..251, 599..786, 881..1054, 1159..2255, 2351..2953		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	35493	Seq. ID	OJ990528_02.9A25.C65
Gene No.	73309	Strand	-
Start	86	End	2953
Name	OJ990528_02.9A25.C65.o2.tw	Method	TBLASTX:Wheat
Start	2043	End	2419
GI	none	Score	49
Exons	2043..2261, 2188..2259, 2345..2419		

Seq. No.	35493	Seq. ID	OJ990528_02.9A25.C65
Gene No.	73309	Strand	-
Start	86	End	2953
Name	OJ990528_02.9A25.C65.o1.tw	Method	TBLASTX:Wheat
Start	2699	End	2953
GI	none	Score	36
Exons	2699..2731, 2705..2725, 2735..2872, 2736..2816, 2876..2953,		

2889..2951

Seq. No.	35494	Seq. ID	OJ990528_02.9A25.C66
Gene No.	73310	Strand	-
Start	67	End	1320
Name	OJ990528_02.9A25.C66.o1.gs	Method	GENSCAN
Start	67	End	1320
GI	none	Score	.63
Exons	67..559, 1246..1320		

Seq. No.	35495	Seq. ID	OJ990528_02.9A25.C67
Gene No.	73311	Strand	-
Start	124	End	2015
Name	OJ990528_02.9A25.C67.o1.gp	Method	AAT/GAP
Start	124	End	2015
GI	342_1.R1084	Score	2657
Exons	124..668, 751..773, 805..2015		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	35495	Seq. ID	OJ990528_02.9A25.C67
Gene No.	73311	Strand	-
Start	124	End	2015
Name	OJ990528_02.9A25.C67.o1.gs	Method	GENSCAN
Start	830	End	1915
GI	none	Score	.64
Exons	830..1915		

Seq. No.	35495	Seq. ID	OJ990528_02.9A25.C67
Gene No.	73311	Strand	-
Start	124	End	2015
Name	OJ990528_02.9A25.C67.o1.np	Method	AAT/NAP
Start	899	End	2015
GI	4680203	Score	952
Exons	899..1879, 1952..2015		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	35495	Seq. ID	OJ990528_02.9A25.C67
Gene No.	73311	Strand	-
Start	124	End	2015
Name	OJ990528_02.9A25.C67.o1.tw	Method	TBLASTX:Wheat
Start	953	End	2015
GI	none	Score	52
Exons	953..1045, 954..1019, 1034..1114, 1050..1115, 1127..1267, 1128..1268, 1215..1310, 1247..1306, 1313..1357, 1313..1357, 1315..1359, 1352..1804, 1368..2012, 1383..2015, 1781..2014		

Seq. No.	35495	Seq. ID	OJ990528_02.9A25.C67
Gene No.	73311	Strand	-
Start	124	End	2015
Name	OJ990528_02.9A25.C67.o1.tc	Method	TBLASTX:Cress
Start	1535	End	1982
GI	none	Score	85
Exons	1535..1684, 1535..1804, 1539..1982, 1850..1978		

Seq. No.	35496	Seq. ID	OJ990528_02.9A25.C68
Gene No.	73312	Strand	-

Start	1	End	1673
Name	OJ990528_02.9A25.C68.o1.gp	Method	AAT/GAP
Start	1	End	1669
GI	342_1.R1084	Score	2747
Exons	1..1669		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	35496	Seq. ID	OJ990528_02.9A25.C68
Gene No.	73312	Strand	-
Start	1	End	1673
Name	OJ990528_02.9A25.C68.o1.np	Method	AAT/NAP
Start	1	End	1673
GI	4680203	Score	1976
Exons	1..1673		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	35496	Seq. ID	OJ990528_02.9A25.C68
Gene No.	73312	Strand	-
Start	1	End	1673
Name	OJ990528_02.9A25.C68.o2.ts	Method	TBLASTX:Soybean
Start	179	End	415
GI	none	Score	57
Exons	179..415, 237..335		

Seq. No.	35496	Seq. ID	OJ990528_02.9A25.C68
Gene No.	73312	Strand	-
Start	1	End	1673
Name	OJ990528_02.9A25.C68.o1.tm	Method	TBLASTX:Maize
Start	251	End	708
GI	none	Score	46
Exons	251..445, 455..574, 455..580, 574..696, 580..708		

Seq. No.	35496	Seq. ID	OJ990528_02.9A25.C68
Gene No.	73312	Strand	-
Start	1	End	1673
Name	OJ990528_02.9A25.C68.o1.tw	Method	TBLASTX:Wheat
Start	285	End	753
GI	none	Score	160
Exons	285..491, 290..493, 290..514, 494..580, 495..581, 595..699, 599..688, 700..753, 701..745		

Seq. No.	35496	Seq. ID	OJ990528_02.9A25.C68
Gene No.	73312	Strand	-
Start	1	End	1673
Name	OJ990528_02.9A25.C68.o1.tc	Method	TBLASTX:Cress
Start	574	End	889
GI	none	Score	69
Exons	574..882, 605..697, 737..889		

Seq. No.	35496	Seq. ID	OJ990528_02.9A25.C68
Gene No.	73312	Strand	-
Start	1	End	1673
Name	OJ990528_02.9A25.C68.o1.ts	Method	TBLASTX:Soybean
Start	622	End	1051
GI	none	Score	123
Exons	622..918, 640..864, 913..975, 968..1051, 976..1050		

Seq. No.	35496	Seq. ID	OJ990528_02.9A25.C68
Gene No.	73312	Strand	-
Start	1	End	1673
Name	OJ990528_02.9A25.C68.o2.tw	Method	TBLASTX:Wheat
Start	972	End	1367
GI	none	Score	180
Exons	972..1214, 980..1222, 982..1233, 983..1225, 1216..1248, 1269..1367		

Seq. No.	35497	Seq. ID	OJ990528_02.9A25.C69
Gene No.	73313	Strand	+
Start	263	End	949
Name	OJ990528_02.9A25.C69.o1.gs	Method	GENSCAN
Start	263	End	949
GI	none	Score	.46
Exons	263..325, 584..701, 788..949		

Seq. No.	35497	Seq. ID	OJ990528_02.9A25.C69
Gene No.	73314	Strand	-
Start	1706	End	3585
Name	OJ990528_02.9A25.C69.o1.np	Method	AAT/NAP
Start	1706	End	3585
GI	2864613	Score	708
Exons	1706..1817, 2634..3585		
GI Descrip.	(AL021811) S-receptor kinase -like protein [Arabidopsis thaliana] gi\|4049333\|emb\|CAA22558.1\| (AL034567) S-receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	35497	Seq. ID	OJ990528_02.9A25.C69
Gene No.	73314	Strand	-
Start	1706	End	3585
Name	OJ990528_02.9A25.C69.o1.tm	Method	TBLASTX:Maize
Start	2558	End	3184
GI	none	Score	431
Exons	2558..3184, 2559..3182, 3067..3183		

Seq. No.	35497	Seq. ID	OJ990528_02.9A25.C69
Gene No.	73314	Strand	-
Start	1706	End	3585
Name	OJ990528_02.9A25.C69.o1.ts	Method	TBLASTX:Soybean
Start	2672	End	3506
GI	none	Score	78
Exons	2672..2791, 2813..2977, 2885..2980, 2985..3032, 2990..3226, 3263..3406, 3279..3404, 3449..3499, 3450..3506		

Seq. No.	35497	Seq. ID	OJ990528_02.9A25.C69
Gene No.	73314	Strand	-
Start	1706	End	3585
Name	OJ990528_02.9A25.C69.o1.tc	Method	TBLASTX:Cress
Start	2675	End	3532
GI	none	Score	92
Exons	2675..2794, 2676..2786, 2897..2977, 2984..3226, 2991..3221, 3251..3430, 3267..3431, 3443..3532, 3450..3485		

Seq. No.	35497	Seq. ID	OJ990528_02.9A25.C69
Gene No.	73314	Strand	-

Start	1706	End	3585
Name	OJ990528_02.9A25.C69.o1.gp	Method	AAT/GAP
Start	2732	End	3107
GI	LIB3434-041-P1-K1-A12	Score	687
Exons	2732..3107		
GI Descrip.	'2864613/emb\|CAA16960\| 7.0e-26 (AL021811) S-receptor kinase -like protein [Arabidopsis thaliana] >gi_4049333_emb_CAA22558.1_ (AL034567) S-receptor kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	35497	Seq. ID	OJ990528_02.9A25.C69
Gene No.	73314	Strand	-
Start	1706	End	3585
Name	OJ990528_02.9A25.C69.o1.tw	Method	TBLASTX:Wheat
Start	2975	End	3380
GI	none	Score	81
Exons	2975..3025, 3041..3379, 3258..3380		

Seq. No.	35497	Seq. ID	OJ990528_02.9A25.C69
Gene No.	73314	Strand	-
Start	1706	End	3585
Name	OJ990528_02.9A25.C69.o2.tm	Method	TBLASTX:Maize
Start	3230	End	3532
GI	none	Score	157
Exons	3230..3430, 3261..3431, 3422..3532, 3423..3488		

Seq. No.	35498	Seq. ID	OJ990528_02.9A25.C70
Gene No.	73315	Strand	-
Start	1	End	837
Name	OJ990528_02.9A25.C70.o1.np	Method	AAT/NAP
Start	1	End	566
GI	3834312	Score	221
Exons	1..566		
GI Descrip.	(AC005679) Strong similarity to glycoprotein EP1 gb\|L16983 Daucus carota and a member of S locus glycoprotein family PF\|00954. ESTs gb\|AA067487, gb\|Z35737, gb\|Z30815, gb\|Z35350, gb\|AA713171, gb\|AI100553, gb\|Z34248, gb\|AA728536, gb\|Z30816 an...		

Seq. No.	35498	Seq. ID	OJ990528_02.9A25.C70
Gene No.	73315	Strand	-
Start	1	End	837
Name	OJ990528_02.9A25.C70.o1.tc	Method	TBLASTX:Cress
Start	3	End	269
GI	none	Score	259
Exons	3..269		

Seq. No.	35498	Seq. ID	OJ990528_02.9A25.C70
Gene No.	73315	Strand	-
Start	1	End	837
Name	OJ990528_02.9A25.C70.o1.ts	Method	TBLASTX:Soybean
Start	3	End	255
GI	none	Score	55
Exons	3..254, 196..255		

Seq. No.	35498	Seq. ID	OJ990528_02.9A25.C70
Gene No.	73315	Strand	-

Start	1	End	837
Name	OJ990528_02.9A25.C70.o1.gs	Method	GENSCAN
Start	57	End	837
GI	none	Score	.57
Exons	57..467, 716..837		

Seq. No.	35499	Seq. ID	OJ990528_02.9A25.C71
Gene No.	73316	Strand	+
Start	354	End	473
Name	OJ990528_02.9A25.C71.o1.gp	Method	AAT/GAP
Start	354	End	473
GI	77_1.R1084	Score	162
Exons	354..473		
GI Descrip.	'6006310/dbj\|BAA84779.1\| 0.0e+00 (AB018443) nonphototrophic hypocotyl 1b [Oryza sativa]'		

Seq. No.	35499	Seq. ID	OJ990528_02.9A25.C71
Gene No.	73317	Strand	-
Start	103	End	292
Name	OJ990528_02.9A25.C71.o1.gs	Method	GENSCAN
Start	103	End	292
GI	none	Score	.77
Exons	103..134, 265..292		

Seq. No.	35500	Seq. ID	OJ990528_02.9A25.C72
Gene No.	73318	Strand	+
Start	1	End	724
Name	OJ990528_02.9A25.C72.o1.np	Method	AAT/NAP
Start	1	End	724
GI	6006310	Score	330
Exons	1..253, 578..724		
GI Descrip.	(AB018443) nonphototrophic hypocotyl 1b [Oryza sativa]		

Seq. No.	35500	Seq. ID	OJ990528_02.9A25.C72
Gene No.	73318	Strand	+
Start	1	End	724
Name	OJ990528_02.9A25.C72.o1.tm	Method	TBLASTX:Maize
Start	143	End	717
GI	none	Score	183
Exons	143..256, 145..258, 598..717, 602..700		

Seq. No.	35500	Seq. ID	OJ990528_02.9A25.C72
Gene No.	73318	Strand	+
Start	1	End	724
Name	OJ990528_02.9A25.C72.o1.gp	Method	AAT/GAP
Start	144	End	724
GI	77_1.R1084	Score	401
Exons	144..253, 578..724		
GI Descrip.	'6006310/dbj\|BAA84779.1\| 0.0e+00 (AB018443) nonphototrophic hypocotyl 1b [Oryza sativa]'		

Seq. No.	35500	Seq. ID	OJ990528_02.9A25.C72
Gene No.	73318	Strand	+
Start	1	End	724
Name	OJ990528_02.9A25.C72.o1.gs	Method	GENSCAN
Start	147	End	677
GI	none	Score	.65

Exons	147..253, 578..677		
Seq. No.	35501	Seq. ID	OJ990528_02.9A25.C74
Gene No.	73319	Strand	+
Start	1	End	590
Name	OJ990528_02.9A25.C74.o1.np	Method	AAT/NAP
Start	1	End	578
GI	6907089	Score	694
Exons	1..578		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	35501	Seq. ID	OJ990528_02.9A25.C74
Gene No.	73319	Strand	+
Start	1	End	590
Name	OJ990528_02.9A25.C74.o1.gs	Method	GENSCAN
Start	60	End	590
GI	none	Score	.88
Exons	60..590		
Seq. No.	35501	Seq. ID	OJ990528_02.9A25.C74
Gene No.	73320	Strand	-
Start	673	End	1071
Name	OJ990528_02.9A25.C74.o2.np	Method	AAT/NAP
Start	673	End	1071
GI	5042454	Score	212
Exons	673..726, 959..1071		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	35502	Seq. ID	OJ990528_02.9A25.C75
Gene No.	73321	Strand	-
Start	101	End	188
Name	OJ990528_02.9A25.C75.o1.gs	Method	GENSCAN
Start	101	End	188
GI	none	Score	.52
Exons	101..188		
Seq. No.	35503	Seq. ID	OJ990528_02.9A25.C77
Gene No.	73322	Strand	-
Start	316	End	459
Name	OJ990528_02.9A25.C77.o1.gs	Method	GENSCAN
Start	316	End	459
GI	none	Score	.75
Exons	316..459		
Seq. No.	35504	Seq. ID	OJ990528_02.9A25.C79
Gene No.	73323	Strand	+
Start	1	End	958
Name	OJ990528_02.9A25.C79.o1.np	Method	AAT/NAP
Start	1	End	958
GI	5295955	Score	436
Exons	1..182, 262..337, 377..958		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	35504	Seq. ID	OJ990528_02.9A25.C79
Gene No.	73324	Strand	-
Start	17	End	856

Name	OJ990528_02.9A25.C79.o1.gs	Method	GENSCAN
Start	17	End	856
GI	none	Score	.4
Exons	17..236, 279..437, 697..856		

Seq. No.	35505	Seq. ID	OJ990528_02.9A25.C80
Gene No.	73325	Strand	+
Start	1	End	887
Name	OJ990528_02.9A25.C80.o1.np	Method	AAT/NAP
Start	1	End	887
GI	6721517	Score	1442
Exons	1..887		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	35505	Seq. ID	OJ990528_02.9A25.C80
Gene No.	73325	Strand	+
Start	1	End	887
Name	OJ990528_02.9A25.C80.o1.tw	Method	TBLASTX:Wheat
Start	24	End	509
GI	none	Score	140
Exons	24..191, 28..162, 132..509, 161..466		

Seq. No.	35505	Seq. ID	OJ990528_02.9A25.C80
Gene No.	73325	Strand	+
Start	1	End	887
Name	OJ990528_02.9A25.C80.o1.tm	Method	TBLASTX:Maize
Start	123	End	563
GI	none	Score	356
Exons	123..563, 183..530		

Seq. No.	35505	Seq. ID	OJ990528_02.9A25.C80
Gene No.	73325	Strand	+
Start	1	End	887
Name	OJ990528_02.9A25.C80.o1.gs	Method	GENSCAN
Start	207	End	788
GI	none	Score	.75
Exons	207..788		

Seq. No.	35505	Seq. ID	OJ990528_02.9A25.C80
Gene No.	73325	Strand	+
Start	1	End	887
Name	OJ990528_02.9A25.C80.o1.ts	Method	TBLASTX:Soybean
Start	450	End	846
GI	none	Score	57
Exons	450..482, 450..482, 486..767, 489..563, 493..627, 591..767, 760..846		

Seq. No.	35505	Seq. ID	OJ990528_02.9A25.C80
Gene No.	73325	Strand	+
Start	1	End	887
Name	OJ990528_02.9A25.C80.o2.tw	Method	TBLASTX:Wheat
Start	558	End	885
GI	none	Score	245
Exons	558..767, 558..752, 750..851, 758..883, 759..875, 760..885		

Seq. No.	35505	Seq. ID	OJ990528_02.9A25.C80
Gene No.	73325	Strand	+

Start	1	End	887
Name	OJ990528_02.9A25.C80.o2.tm	Method	TBLASTX:Maize
Start	579	End	885
GI	none	Score	149
Exons	579..767, 590..694, 760..885		

Seq. No.	35506	Seq. ID	OJ990528_02.9A25.C81
Gene No.	73326	Strand	+
Start	1	End	203
Name	OJ990528_02.9A25.C81.o1.np	Method	AAT/NAP
Start	1	End	203
GI	4680179	Score	281
Exons	1..203		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35506	Seq. ID	OJ990528_02.9A25.C81
Gene No.	73327	Strand	-
Start	169	End	192
Name	OJ990528_02.9A25.C81.o1.gs	Method	GENSCAN
Start	169	End	192
GI	none	Score	.56
Exons	169..192		

Seq. No.	35507	Seq. ID	OJ990528_02.9A25.C83
Gene No.	73328	Strand	+
Start	1	End	501
Name	OJ990528_02.9A25.C83.o1.np	Method	AAT/NAP
Start	1	End	501
GI	6539553	Score	820
Exons	1..501		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	35507	Seq. ID	OJ990528_02.9A25.C83
Gene No.	73328	Strand	+
Start	1	End	501
Name	OJ990528_02.9A25.C83.o1.tm	Method	TBLASTX:Maize
Start	1	End	420
GI	none	Score	265
Exons	1..420, 240..395		

Seq. No.	35507	Seq. ID	OJ990528_02.9A25.C83
Gene No.	73328	Strand	+
Start	1	End	501
Name	OJ990528_02.9A25.C83.o1.tw	Method	TBLASTX:Wheat
Start	61	End	469
GI	none	Score	164
Exons	61..297, 63..287, 64..312, 283..459, 284..421, 286..459, 299..469		

Seq. No.	35507	Seq. ID	OJ990528_02.9A25.C83
Gene No.	73328	Strand	+
Start	1	End	501
Name	OJ990528_02.9A25.C83.o1.ts	Method	TBLASTX:Soybean
Start	208	End	501

GI	none	Score	180
Exons	208..432, 210..386, 436..501,	441..479	

Seq. No.	35508	Seq. ID	OJ990528_02.9A25.C87
Gene No.	73329	Strand	+
Start	48	End	472
Name	OJ990528_02.9A25.C87.o1.gs	Method	GENSCAN
Start	48	End	472
GI	none	Score	.62
Exons	48..204, 260..472		

Seq. No.	35509	Seq. ID	OJ990528_02.9A25.C89
Gene No.	73330	Strand	+
Start	308	End	372
Name	OJ990528_02.9A25.C89.o1.gs	Method	GENSCAN
Start	308	End	372
GI	none	Score	.55
Exons	308..372		

Seq. No.	35510	Seq. ID	OJ990528_02.9A25.C92
Gene No.	73331	Strand	-
Start	182	End	551
Name	OJ990528_02.9A25.C92.o1.gs	Method	GENSCAN
Start	182	End	523
GI	none	Score	1
Exons	182..523		

Seq. No.	35510	Seq. ID	OJ990528_02.9A25.C92
Gene No.	73331	Strand	-
Start	182	End	551
Name	OJ990528_02.9A25.C92.o1.np	Method	AAT/NAP
Start	194	End	551
GI	6691716	Score	456
Exons	194..551		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	35511	Seq. ID	OJ990528_02.9A25.C93
Gene No.	73332	Strand	+
Start	1	End	1384
Name	OJ990528_02.9A25.C93.o1.gp	Method	AAT/GAP
Start	1	End	1384
GI	77_1.R1084	Score	444
Exons	1..164, 550..609, 1271..1384		
GI Descrip.	'6006310/dbj\|BAA84779.1\| 0.0e+00 (AB018443) nonphototrophic hypocotyl 1b [Oryza sativa]'		

Seq. No.	35511	Seq. ID	OJ990528_02.9A25.C93
Gene No.	73332	Strand	+
Start	1	End	1384
Name	OJ990528_02.9A25.C93.o1.np	Method	AAT/NAP
Start	1	End	1384
GI	6006310	Score	346
Exons	1..164, 550..609, 1271..1384		
GI Descrip.	(AB018443) nonphototrophic hypocotyl 1b [Oryza sativa]		

Seq. No.	35511	Seq. ID	OJ990528_02.9A25.C93
Gene No.	73332	Strand	+
Start	1	End	1384
Name	OJ990528_02.9A25.C93.o1.gs	Method	GENSCAN
Start	60	End	1360
GI	none	Score	.91
Exons	60..164, 550..609, 1271..1360		

Seq. No.	35512	Seq. ID	OJ990528_02.9A25.C95
Gene No.	73333	Strand	+
Start	237	End	994
Name	OJ990528_02.9A25.C95.o1.gs	Method	GENSCAN
Start	237	End	994
GI	none	Score	.72
Exons	237..413, 728..994		

Seq. No.	35513	Seq. ID	OJ990528_02.9A25.C96
Gene No.	73334	Strand	+
Start	159	End	449
Name	OJ990528_02.9A25.C96.o1.tm	Method	TBLASTX:Maize
Start	3	End	375
GI	none	Score	345
Exons	3..221, 4..375, 160..372		

Seq. No.	35513	Seq. ID	OJ990528_02.9A25.C96
Gene No.	73334	Strand	+
Start	159	End	449
Name	OJ990528_02.9A25.C96.o1.tw	Method	TBLASTX:Wheat
Start	10	End	449
GI	none	Score	176
Exons	10..309, 15..308, 393..449		

Seq. No.	35513	Seq. ID	OJ990528_02.9A25.C96
Gene No.	73334	Strand	+
Start	159	End	449
Name	OJ990528_02.9A25.C96.o1.gs	Method	GENSCAN
Start	159	End	444
GI	none	Score	.42
Exons	159..444		

Seq. No.	35514	Seq. ID	OJ990528_02.9A25.C98
Gene No.	73335	Strand	+
Start	1	End	647
Name	OJ990528_02.9A25.C98.o1.np	Method	AAT/NAP
Start	1	End	647
GI	6691716	Score	335
Exons	1..247, 322..424, 572..647		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	35514	Seq. ID	OJ990528_02.9A25.C98
Gene No.	73335	Strand	+
Start	1	End	647
Name	OJ990528_02.9A25.C98.o1.gs	Method	GENSCAN
Start	65	End	511
GI	none	Score	.79

Exons	65..247, 322..511		
Seq. No.	35515	Seq. ID	OJ990528_02.9A25.C99
Gene No.	73336	Strand	-
Start	1	End	497
Name	OJ990528_02.9A25.C99.o1.np	Method	AAT/NAP
Start	1	End	497
GI	6498441	Score	497
Exons	1..497		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	35515	Seq. ID	OJ990528_02.9A25.C99
Gene No.	73336	Strand	-
Start	1	End	497
Name	OJ990528_02.9A25.C99.o1.gs	Method	GENSCAN
Start	137	End	338
GI	none	Score	.54
Exons	137..338		
Seq. No.	35516	Seq. ID	OJ990528_02.9A25.C101
Gene No.	73337	Strand	-
Start	1	End	654
Name	OJ990528_02.9A25.C101.o1.gp	Method	AAT/GAP
Start	1	End	596
GI	342_1.R1084	Score	1027
Exons	1..596		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	35516	Seq. ID	OJ990528_02.9A25.C101
Gene No.	73337	Strand	-
Start	1	End	654
Name	OJ990528_02.9A25.C101.o1.np	Method	AAT/NAP
Start	1	End	654
GI	4680203	Score	796
Exons	1..654		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	35516	Seq. ID	OJ990528_02.9A25.C101
Gene No.	73337	Strand	-
Start	1	End	654
Name	OJ990528_02.9A25.C101.o1.tw	Method	TBLASTX:Wheat
Start	31	End	335
GI	none	Score	61
Exons	31..105, 38..106, 102..161, 108..155, 155..334, 156..335		
Seq. No.	35516	Seq. ID	OJ990528_02.9A25.C101
Gene No.	73337	Strand	-
Start	1	End	654
Name	OJ990528_02.9A25.C101.o1.gs	Method	GENSCAN
Start	143	End	376
GI	none	Score	.6
Exons	143..376		
Seq. No.	35516	Seq. ID	OJ990528_02.9A25.C101

Gene No.	73337	Strand	-
Start	1	End	654
Name	OJ990528_02.9A25.C101.o1.tc	Method	TBLASTX:Cress
Start	155	End	485
GI	none	Score	69
Exons	155..484, 186..278, 318..485		

Seq. No.	35516	Seq. ID	OJ990528_02.9A25.C101
Gene No.	73337	Strand	-
Start	1	End	654
Name	OJ990528_02.9A25.C101.o1.tm	Method	TBLASTX:Maize
Start	155	End	382
GI	none	Score	79
Exons	155..361, 156..281, 161..382		

Seq. No.	35516	Seq. ID	OJ990528_02.9A25.C101
Gene No.	73337	Strand	-
Start	1	End	654
Name	OJ990528_02.9A25.C101.o1.ts	Method	TBLASTX:Soybean
Start	203	End	596
GI	none	Score	119
Exons	203..472, 221..442, 459..554, 555..596		

Seq. No.	35517	Seq. ID	OJ990528_02.9A25.C103
Gene No.	73338	Strand	+
Start	247	End	584
Name	OJ990528_02.9A25.C103.o2.np	Method	AAT/NAP
Start	247	End	584
GI	6721561	Score	140
Exons	247..337, 553..584		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35517	Seq. ID	OJ990528_02.9A25.C103
Gene No.	73339	Strand	-
Start	125	End	214
Name	OJ990528_02.9A25.C103.o1.np	Method	AAT/NAP
Start	125	End	214
GI	4680183	Score	118
Exons	125..214		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	35517	Seq. ID	OJ990528_02.9A25.C103
Gene No.	73340	Strand	-
Start	169	End	245
Name	OJ990528_02.9A25.C103.o1.gs	Method	GENSCAN
Start	169	End	245
GI	none	Score	.41
Exons	169..245		

Seq. No.	35518	Seq. ID	OJ990528_02.9A25.C104
Gene No.	73341	Strand	-
Start	378	End	507
Name	OJ990528_02.9A25.C104.o1.gs	Method	GENSCAN

Start	378	End	507
GI	none	Score	.55
Exons	378..507		

Seq. No.	35519	Seq. ID	OJ990528_02.9A25.C105
Gene No.	73342	Strand	+
Start	394	End	789
Name	OJ990528_02.9A25.C105.o1.gs	Method	GENSCAN
Start	394	End	782
GI	none	Score	.94
Exons	394..439, 585..782		

Seq. No.	35519	Seq. ID	OJ990528_02.9A25.C105
Gene No.	73342	Strand	+
Start	394	End	789
Name	OJ990528_02.9A25.C105.o1.np	Method	AAT/NAP
Start	582	End	789
GI	6721517	Score	151
Exons	582..645, 699..789		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	35520	Seq. ID	OJ990528_02.9A25.C106
Gene No.	73343	Strand	+
Start	1	End	447
Name	OJ990528_02.9A25.C106.o1.np	Method	AAT/NAP
Start	1	End	447
GI	4680204	Score	178
Exons	1..447		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	35520	Seq. ID	OJ990528_02.9A25.C106
Gene No.	73343	Strand	+
Start	1	End	447
Name	OJ990528_02.9A25.C106.o1.gs	Method	GENSCAN
Start	24	End	393
GI	none	Score	.77
Exons	24..171, 297..393		

Seq. No.	35521	Seq. ID	OJ990528_02.9A25.C107
Gene No.	73344	Strand	-
Start	1	End	95
Name	OJ990528_02.9A25.C107.o1.np	Method	AAT/NAP
Start	1	End	95
GI	6705984	Score	151
Exons	1..95		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	35522	Seq. ID	OJ990428_02.9A29.C1
Gene No.	73345	Strand	+
Start	1	End	536
Name	OJ990428_02.9A29.C1.o1.np	Method	AAT/NAP
Start	1	End	536
GI	1899175	Score	258
Exons	1..45, 146..536		
GI Descrip.	(U90262) calcium-dependent calmodulin-independent protein kinase CDPK [Cucurbita pepo]		

Seq. No.	35522	Seq. ID	OJ990428_02.9A29.C1
Gene No.	73345	Strand	+
Start	1	End	536
Name	OJ990428_02.9A29.C1.o1.gs	Method	GENSCAN
Start	142	End	480
GI	none	Score	.91
Exons	142..480		

Seq. No.	35522	Seq. ID	OJ990428_02.9A29.C1
Gene No.	73345	Strand	+
Start	1	End	536
Name	OJ990428_02.9A29.C1.o1.tm	Method	TBLASTX:Maize
Start	172	End	414
GI	none	Score	372
Exons	172..414, 214..414		

Seq. No.	35522	Seq. ID	OJ990428_02.9A29.C1
Gene No.	73345	Strand	+
Start	1	End	536
Name	OJ990428_02.9A29.C1.o1.tc	Method	TBLASTX:Cress
Start	190	End	534
GI	none	Score	285
Exons	190..534, 243..350, 414..497		

Seq. No.	35522	Seq. ID	OJ990428_02.9A29.C1
Gene No.	73345	Strand	+
Start	1	End	536
Name	OJ990428_02.9A29.C1.o1.gp	Method	AAT/GAP
Start	192	End	536
GI	uC-osf1M202066e05b1	Score	658
Exons	192..536		
GI Descrip.	'3320104/emb\|CAA07481\| 3.0e-39 (AJ007366) calcium-dependent protein kinase [Zea mays]'		

Seq. No.	35522	Seq. ID	OJ990428_02.9A29.C1
Gene No.	73345	Strand	+
Start	1	End	536
Name	OJ990428_02.9A29.C1.o1.ts	Method	TBLASTX:Soybean
Start	241	End	507
GI	none	Score	386
Exons	241..507, 243..497		

Seq. No.	35523	Seq. ID	OJ990428_02.9A29.C2
Gene No.	73346	Strand	-
Start	218	End	586
Name	OJ990428_02.9A29.C2.o1.tm	Method	TBLASTX:Maize
Start	38	End	191
GI	none	Score	195
Exons	38..190, 42..191		

Seq. No.	35523	Seq. ID	OJ990428_02.9A29.C2
Gene No.	73346	Strand	-
Start	218	End	586
Name	OJ990428_02.9A29.C2.o1.gp	Method	AAT/GAP
Start	218	End	586
GI	none	Score	718
Exons	218..586		

Seq. No.	35524	Seq. ID	OJ990428_02.9A29.C5
Gene No.	73347	Strand	+
Start	58	End	147
Name	OJ990428_02.9A29.C5.o1.gs	Method	GENSCAN
Start	58	End	147
GI	none	Score	.53
Exons	58..147		

Seq. No.	35525	Seq. ID	OJ990428_02.9A29.C9
Gene No.	73348	Strand	+
Start	1	End	986
Name	OJ990428_02.9A29.C9.o1.np	Method	AAT/NAP
Start	1	End	986
GI	5734621	Score	147
Exons	1..244, 585..643, 777..857, 916..986		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	35525	Seq. ID	OJ990428_02.9A29.C9
Gene No.	73348	Strand	+
Start	1	End	986
Name	OJ990428_02.9A29.C9.o1.gp	Method	AAT/GAP
Start	588	End	859
GI	LIB3433-040-P1-K1-C8	Score	215
Exons	588..643, 777..859		
GI Descrip.	'5734621/dbj\|BAA83352.1\| 2.0e-80 (AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]'		

Seq. No.	35525	Seq. ID	OJ990428_02.9A29.C9
Gene No.	73348	Strand	+
Start	1	End	986
Name	OJ990428_02.9A29.C9.o1.gs	Method	GENSCAN
Start	777	End	857
GI	none	Score	.98
Exons	777..857		

Seq. No.	35526	Seq. ID	OJ990428_02.9A29.C10
Gene No.	73349	Strand	+
Start	1	End	1457
Name	OJ990428_02.9A29.C10.o1.gp	Method	AAT/GAP
Start	1	End	616
GI	LIB3433-040-P1-K1-C8	Score	379
Exons	1..113, 214..278, 560..616		
GI Descrip.	'5734621/dbj\|BAA83352.1\| 2.0e-80 (AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]'		

Seq. No.	35526	Seq. ID	OJ990428_02.9A29.C10
Gene No.	73349	Strand	+
Start	1	End	1457
Name	OJ990428_02.9A29.C10.o1.np	Method	AAT/NAP
Start	1	End	1150

GI	5734621	Score	619
Exons	1..113, 214..278, 560..695, 1007..1150		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	35526	Seq. ID	OJ990428_02.9A29.C10
Gene No.	73349	Strand	+
Start	1	End	1457
Name	OJ990428_02.9A29.C10.o1.gs	Method	GENSCAN
Start	560	End	1153
GI	none	Score	.92
Exons	560..695, 1007..1153		

Seq. No.	35526	Seq. ID	OJ990428_02.9A29.C10
Gene No.	73349	Strand	+
Start	1	End	1457
Name	OJ990428_02.9A29.C10.o2.gp	Method	AAT/GAP
Start	988	End	1457
GI	12911_1.R1084	Score	819
Exons	988..1457		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	35526	Seq. ID	OJ990428_02.9A29.C10
Gene No.	73350	Strand	+
Start	1795	End	2227
Name	OJ990428_02.9A29.C10.o3.gp	Method	AAT/GAP
Start	1795	End	2227
GI	5004333	Score	810
Exons	1795..2227		
GI Descrip.	5734616/dbj\|AP000391.1\|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01		

Seq. No.	35526	Seq. ID	OJ990428_02.9A29.C10
Gene No.	73351	Strand	+
Start	3707	End	3810
Name	OJ990428_02.9A29.C10.o4.gp	Method	AAT/GAP
Start	3707	End	3810
GI	5003097	Score	200
Exons	3707..3810		
GI Descrip.	5734616/dbj\|AP000391.1\|AP000391 1.0e-79 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01		

Seq. No.	35526	Seq. ID	OJ990428_02.9A29.C10
Gene No.	73352	Strand	-
Start	1680	End	2825
Name	OJ990428_02.9A29.C10.o2.gs	Method	GENSCAN
Start	1680	End	2825
GI	none	Score	.56
Exons	1680..1750, 1936..2164, 2697..2825		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73353	Strand	+
Start	1	End	4414
Name	OJ990428_02.9A29.C11.o1.gp	Method	AAT/GAP
Start	1	End	460

GI	53395_1.R1084	Score	916
Exons	1..460		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73353	Strand	+
Start	1	End	4414
Name	OJ990428_02.9A29.C11.o1.gs	Method	GENSCAN
Start	121	End	3122
GI	none	Score	.97
Exons	121..470, 582..667, 1240..1358, 1501..1611, 2051..2173, 2374..2436, 3111..3122		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73353	Strand	+
Start	1	End	4414
Name	OJ990428_02.9A29.C11.o1.np	Method	AAT/NAP
Start	121	End	3818
GI	6403492	Score	1653
Exons	121..470, 582..667, 1240..1265, 1317..1358, 1501..1611, 1828..1926, 2051..2173, 2374..2436, 2510..2574, 2661..2770, 2852..2966, 3045..3110, 3498..3608, 3740..3818		
GI Descrip.	(AC010871) unknown protein [Arabidopsis thaliana]		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73353	Strand	+
Start	1	End	4414
Name	OJ990428_02.9A29.C11.o2.gp	Method	AAT/GAP
Start	1234	End	2531
GI	uC-osflcyp086e04b1	Score	949
Exons	1234..1358, 1501..1611, 1828..1926, 2051..2173, 2374..2436, 2510..2531		
GI Descrip.	'5734620/dbj\|BAA83351.1\| 4.0e-17 (AP000391) ESTs AU077435(C12539),C26534(C12539) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73353	Strand	+
Start	1	End	4414
Name	OJ990428_02.9A29.C11.o3.gp	Method	AAT/GAP
Start	2749	End	4414
GI	53223_1.R1084	Score	1656
Exons	2749..2770, 2852..2966, 3045..3110, 3498..3608, 3740..3806, 3897..4414		
GI Descrip.	'5734620/dbj\|BAA83351.1\| 1.0e-20 (AP000391) ESTs AU077435(C12539),C26534(C12539) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73354	Strand	+
Start	10985	End	11286
Name	OJ990428_02.9A29.C11.o6.gp	Method	AAT/GAP
Start	10985	End	11286
GI	LIB3433-022-P1-K1-E1	Score	575
Exons	10985..11286		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 1.0e-158 Oryza sativa genomic		

DNA, chromosome 6, clone:P0538C01'

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73355	Strand	+
Start	21408	End	24430
Name	OJ990428_02.9A29.C11.o6.np	Method	AAT/NAP
Start	21408	End	24370
GI	6598840	Score	919
Exons	21408..21469, 23077..24370		
GI Descrip.	(AC010795) putative transcriptional regulator [Arabidopsis thaliana]		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73355	Strand	+
Start	21408	End	24430
Name	OJ990428_02.9A29.C11.o5.gs	Method	GENSCAN
Start	22576	End	24430
GI	none	Score	.78
Exons	22576..22917, 23104..23643, 23813..24022, 24077..24430		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73356	Strand	-
Start	5015	End	11121
Name	OJ990428_02.9A29.C11.o2.gs	Method	GENSCAN
Start	5015	End	11121
GI	none	Score	.7
Exons	5015..5222, 5318..5395, 5776..6171, 6463..6763, 8599..8809, 10459..11121		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73356	Strand	-
Start	5015	End	11121
Name	OJ990428_02.9A29.C11.o2.np	Method	AAT/NAP
Start	5018	End	11121
GI	5734619	Score	3187
Exons	5018..5222, 5318..5395, 5776..6171, 6463..6763, 8599..8809, 10459..11121		
GI Descrip.	(AP000391) Similar to Arabidopsis thaliana BAC F15P23 (AF128392) [Oryza sativa]		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73356	Strand	-
Start	5015	End	11121
Name	OJ990428_02.9A29.C11.o4.gp	Method	AAT/GAP
Start	5140	End	6137
GI	LIB3434-035-P1-K1-C10	Score	971
Exons	5140..5222, 5318..5395, 5776..6137		
GI Descrip.	'5734619/dbj\|BAA83350.1\| 3.0e-96 (AP000391) Similar to Arabidopsis thaliana BAC F15P23 (AF128392) [Oryza sativa]'		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73357	Strand	-
Start	13151	End	16565
Name	OJ990428_02.9A29.C11.o3.gs	Method	GENSCAN
Start	13151	End	16565
GI	none	Score	.53
Exons	13151..13668, 13755..14251, 16033..16565		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73357	Strand	-
Start	13151	End	16565
Name	OJ990428_02.9A29.C11.o3.np	Method	AAT/NAP
Start	13154	End	14148
GI	5734618	Score	1544
Exons	13154..13668, 13755..14148		
GI Descrip.	(AP000391) Similar to Arabidopsis thaliana chromosome II BAC F5H14 genomic sequence; unknown protein (AC006234) [Oryza sativa]		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73357	Strand	-
Start	13151	End	16565
Name	OJ990428_02.9A29.C11.o4.np	Method	AAT/NAP
Start	16032	End	16430
GI	5734617	Score	686
Exons	16032..16430		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o3.tc	Method	TBLASTX:Cress
Start	204	End	1325
GI	none	Score	391
Exons	204..485, 211..471, 580..669, 1238..1324, 1239..1325		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o2.ts	Method	TBLASTX:Soybean
Start	222	End	1920
GI	none	Score	363
Exons	222..509, 223..471, 580..669, 1238..1312, 1239..1313, 1314..1364, 1497..1604, 1498..1614, 1545..1607, 1806..1850, 1827..1919, 1828..1920, 1828..1920		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o5.tm	Method	TBLASTX:Maize
Start	246	End	1283
GI	none	Score	352
Exons	246..485, 247..471, 580..669, 589..672, 1238..1282, 1239..1283		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o2.tm	Method	TBLASTX:Maize
Start	1296	End	4215
GI	none	Score	79
Exons	1296..1370, 1477..1614, 1496..1573, 1545..1610, 1786..1926, 1814..1927, 1818..1937, 1827..1931, 2037..2162, 2042..2191, 2048..2161, 2049..2177, 2371..2436, 2372..2437, 2373..2438, 2503..2574, 2507..2581, 2508..2576, 2648..2773, 2661..2771,		

2662..2775, 2829..2969, 2836..2970, 3043..3108, 3045..3110,
3489..3611, 3496..3612, 3497..3610, 3737..3805, 3738..3806,
3889..3948, 3896..3946, 3897..3953, 3898..3948, 3899..3955,
4135..4215, 4139..4210, 4144..4212

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o4.tw	Method	TBLASTX:Wheat
Start	1831	End	2760
GI	none	Score	139
Exons	1831..1926, 1839..1937, 1840..1926, 1841..1945, 1842..1934, 2037..2153, 2042..2191, 2048..2161, 2321..2440, 2371..2436, 2373..2438, 2507..2581, 2509..2592, 2509..2574, 2660..2758, 2660..2758, 2661..2759, 2662..2760		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o3.ts	Method	TBLASTX:Soybean
Start	2042	End	2961
GI	none	Score	93
Exons	2042..2173, 2371..2436, 2400..2432, 2507..2581, 2507..2575, 2656..2775, 2661..2771, 2829..2960, 2836..2961, 2851..2961		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o2.tc	Method	TBLASTX:Cress
Start	2386	End	3944
GI	none	Score	63
Exons	2386..2436, 2400..2435, 2503..2598, 2507..2581, 2656..2775, 2661..2771, 2662..2772, 2663..2788, 2829..2969, 2836..2970, 2851..2997, 3043..3108, 3045..3110, 3495..3611, 3495..3611, 3496..3612, 3496..3612, 3734..3766, 3737..3790, 3738..3806, 3871..3909, 3896..3937, 3897..3944		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o4.tm	Method	TBLASTX:Maize
Start	5013	End	8671
GI	none	Score	171
Exons	5013..5132, 5021..5224, 5024..5236, 5080..5235, 5269..5397, 5317..5394, 5325..5396, 5761..5943, 5775..6029, 5844..6044, 6039..6170, 6043..6171, 6457..6489, 6459..6488, 6486..6764, 6523..6765, 6526..6765, 8585..8671, 8613..8663		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o5.tc	Method	TBLASTX:Cress
Start	5018	End	5828
GI	none	Score	98
Exons	5018..5224, 5018..5239, 5323..5394, 5775..5828		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11

Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o4.ts	Method	TBLASTX:Soybean
Start	5024	End	20104
GI	none	Score	81
Exons	5024..5209, 5024..5239, 5267..5395, 5317..5394, 5775..5828, 5833..5934, 5835..5936, 6039..6170, 6046..6171, 6501..6767, 6529..6765, 8606..8809, 8607..8810, 10453..10488, 10457..10489, 10555..10854, 10559..10774, 20024..20104		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o6.tw	Method	TBLASTX:Wheat
Start	5159	End	5946
GI	none	Score	87
Exons	5159..5239, 5267..5395, 5317..5394, 5761..5946, 5775..5939		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o4.tc	Method	TBLASTX:Cress
Start	5892	End	10938
GI	none	Score	49
Exons	5892..5951, 5896..5949, 5958..6035, 6039..6170, 6046..6171, 6513..6767, 6544..6765, 8609..8809, 8613..8810, 10453..10488, 10457..10489, 10558..10938, 10559..10771		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o2.tw	Method	TBLASTX:Wheat
Start	6096	End	6767
GI	none	Score	73
Exons	6096..6170, 6100..6171, 6513..6767, 6553..6765		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o5.tw	Method	TBLASTX:Wheat
Start	8640	End	10665
GI	none	Score	117
Exons	8640..8810, 8642..8809, 10453..10488, 10457..10486, 10555..10665, 10559..10618		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o9.tm	Method	TBLASTX:Maize
Start	8673	End	8810
GI	none	Score	119
Exons	8673..8810, 8678..8809		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o7.tm	Method	TBLASTX:Maize

Start	10561	End	10869
GI	none	Score	224
Exons	10561..10869, 10562..10843		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o3.tm	Method	TBLASTX:Maize
Start	13169	End	13869
GI	none	Score	42
Exons	13169..13312, 13170..13313, 13310..13495, 13371..13466, 13514..13672, 13514..13684, 13524..13691, 13771..13869		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o5.ts	Method	TBLASTX:Soybean
Start	13343	End	13661
GI	none	Score	73
Exons	13343..13660, 13371..13466, 13521..13661		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o3.tw	Method	TBLASTX:Wheat
Start	13418	End	13679
GI	none	Score	94
Exons	13418..13558, 13419..13559, 13547..13669, 13571..13669, 13620..13679		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o7.ts	Method	TBLASTX:Soybean
Start	13756	End	13938
GI	none	Score	111
Exons	13756..13938, 13817..13936		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o7.gp	Method	AAT/GAP
Start	18246	End	18552
GI	uC-osroM202016d07a1	Score	565
Exons	18246..18552		
GI Descrip.	'1710401/sp\|P49730\|RIR2_TOBAC 2.0e-15 RIBONUCLEOSIDE-DIPHOSPHATE REDUCTASE SMALL CHAIN (RIBONUCLEOTIDE REDUCTASE) (R2 SUBUNIT) >gi_1044912_emb_CAA63194_ (X92443) ribonucleotide reductase R2 [Nicotiana tabacum]'		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o1.tm	Method	TBLASTX:Maize
Start	18399	End	19388
GI	none	Score	76
Exons	18399..18467, 18399..19385, 18400..19347, 19102..19296,		

19314..19388

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o4.gs	Method	GENSCAN
Start	18399	End	22118
GI	none	Score	.6
Exons	18399..19789, 21797..22118		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o1.ts	Method	TBLASTX:Soybean
Start	18399	End	19385
GI	none	Score	106
Exons	18399..18440, 18447..18680, 18450..19226, 18451..18708, 18763..18996, 19044..19226, 19054..19233, 19233..19385, 19234..19344		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o5.np	Method	AAT/NAP
Start	18402	End	19394
GI	1710401	Score	1372
Exons	18402..19394		
GI Descrip.	RIBONUCLEOSIDE-DIPHOSPHATE REDUCTASE SMALL CHAIN (RIBONUCLEOTIDE REDUCTASE) (R2 SUBUNIT) gi\|1044912\|emb\|CAA63194\| (X92443) ribonucleotide reductase R2 [Nicotiana tabacum]		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o1.tc	Method	TBLASTX:Cress
Start	18441	End	19388
GI	none	Score	255
Exons	18441..19181, 18442..18711, 18766..18921, 18801..18992, 18979..19140, 19143..19229, 19144..19233, 19230..19388, 19231..19341		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o1.tw	Method	TBLASTX:Wheat
Start	18561	End	19296
GI	none	Score	148
Exons	18561..18683, 18561..19136, 18562..19137, 18798..19139, 19033..19137, 19087..19296		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73358	Strand	-
Start	18399	End	22118
Name	OJ990428_02.9A29.C11.o8.gp	Method	AAT/GAP
Start	19015	End	19501
GI	55172_1.R1084	Score	938
Exons	19015..19501		

GI Descrip. '1710401/sp|P49730|RIR2_TOBAC 3.0e-50 RIBONUCLEOSIDE-DIPHOSPHATE REDUCTASE SMALL CHAIN (RIBONUCLEOTIDE REDUCTASE) (R2 SUBUNIT) >gi_1044912_emb_CAA63194_ (X92443) ribonucleotide reductase R2 [Nicotiana tabacum]'

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73359	Strand	
Start	23200	End	23400
Name	OJ990428_02.9A29.C11.o8.tm	Method	TBLASTX:Maize
Start	23200	End	23400
GI	none	Score	261
Exons	23200..23400, 23299..23397		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73360	Strand	
Start	23331	End	24361
Name	OJ990428_02.9A29.C11.o6.ts	Method	TBLASTX:Soybean
Start	23331	End	23836
GI	none	Score	55
Exons	23331..23420, 23332..23388, 23479..23640, 23487..23633, 23657..23836		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73360	Strand	
Start	23331	End	24361
Name	OJ990428_02.9A29.C11.o6.tc	Method	TBLASTX:Cress
Start	23332	End	24361
GI	none	Score	52
Exons	23332..23388, 23479..23640, 23487..23633, 23650..23688, 23651..23836, 24077..24127, 24182..24268, 24308..24361		

Seq. No.	35527	Seq. ID	OJ990428_02.9A29.C11
Gene No.	73360	Strand	
Start	23331	End	24361
Name	OJ990428_02.9A29.C11.o6.tm	Method	TBLASTX:Maize
Start	23545	End	23923
GI	none	Score	155
Exons	23545..23649, 23568..23648, 23647..23697, 23648..23698, 23723..23875, 23750..23872, 23873..23923		

Seq. No.	35528	Seq. ID	OJ990428_02.9A29.C12
Gene No.	73361	Strand	+
Start	4476	End	4924
Name	OJ990428_02.9A29.C12.o1.gp	Method	AAT/GAP
Start	4476	End	4924
GI	287187	Score	643
Exons	4476..4493, 4567..4924		

Seq. No.	35528	Seq. ID	OJ990428_02.9A29.C12
Gene No.	73362	Strand	-
Start	782	End	6571
Name	OJ990428_02.9A29.C12.o1.gs	Method	GENSCAN
Start	782	End	6571
GI	none	Score	.62
Exons	782..935, 1076..1230, 1615..1797, 1879..2167, 2214..2783, 4053..4150, 4237..4697, 4806..4967, 6439..6571		

Seq. No.	35528	Seq. ID	OJ990428_02.9A29.C12
Gene No.	73362	Strand	-
Start	782	End	6571
Name	OJ990428_02.9A29.C12.o1.np	Method	AAT/NAP
Start	883	End	5899
GI	3600039	Score	2839
Exons	883..1497, 1615..1797, 1879..2134, 2214..2783, 4053..4150, 4237..4672, 4832..4925, 5845..5899		
GI Descrip.	(AF080119) similar to Schizosaccharomyces pombe isp4 protein (GB:D14061) [Arabidopsis thaliana]		

Seq. No.	35528	Seq. ID	OJ990428_02.9A29.C12
Gene No.	73362	Strand	-
Start	782	End	6571
Name	OJ990428_02.9A29.C12.o1.ts	Method	TBLASTX:Soybean
Start	884	End	2618
GI	none	Score	129
Exons	884..1078, 895..1500, 1142..1360, 1192..1500, 1603..1764, 1604..1795, 1612..1800, 1852..1959, 1879..2133, 1880..2137, 2210..2338, 2213..2440, 2444..2617, 2444..2563, 2487..2618, 2574..2615		

Seq. No.	35528	Seq. ID	OJ990428_02.9A29.C12
Gene No.	73362	Strand	-
Start	782	End	6571
Name	OJ990428_02.9A29.C12.o1.tm	Method	TBLASTX:Maize
Start	890	End	1807
GI	none	Score	158
Exons	890..1033, 895..1032, 1033..1158, 1034..1159, 1057..1161, 1161..1499, 1162..1500, 1162..1500, 1172..1501, 1409..1501, 1604..1807, 1612..1800, 1613..1807		

Seq. No.	35528	Seq. ID	OJ990428_02.9A29.C12
Gene No.	73362	Strand	-
Start	782	End	6571
Name	OJ990428_02.9A29.C12.o4.tc	Method	TBLASTX:Cress
Start	890	End	1248
GI	none	Score	188
Exons	890..1165, 895..1170, 1210..1248		

Seq. No.	35528	Seq. ID	OJ990428_02.9A29.C12
Gene No.	73362	Strand	-
Start	782	End	6571
Name	OJ990428_02.9A29.C12.o1.tc	Method	TBLASTX:Cress
Start	1288	End	1767
GI	none	Score	124
Exons	1288..1500, 1301..1498, 1601..1672, 1603..1767, 1603..1767		

Seq. No.	35528	Seq. ID	OJ990428_02.9A29.C12
Gene No.	73362	Strand	-
Start	782	End	6571
Name	OJ990428_02.9A29.C12.o3.tc	Method	TBLASTX:Cress
Start	1879	End	2347
GI	none	Score	134
Exons	1879..2133, 1883..2137, 2213..2347		

Seq. No.	35528	Seq. ID	OJ990428_02.9A29.C12

Gene No.	73362	Strand	-
Start	782	End	6571
Name	OJ990428_02.9A29.C12.o3.tm	Method	TBLASTX:Maize
Start	1981	End	2305
GI	none	Score	199
Exons	1981..2136, 1982..2137, 2214..2297, 2216..2305		

Seq. No.	35528	Seq. ID	OJ990428_02.9A29.C12
Gene No.	73362	Strand	-
Start	782	End	6571
Name	OJ990428_02.9A29.C12.o2.tm	Method	TBLASTX:Maize
Start	2306	End	2799
GI	none	Score	105
Exons	2306..2449, 2307..2429, 2444..2785, 2451..2789, 2462..2791, 2511..2789, 2638..2799		

Seq. No.	35528	Seq. ID	OJ990428_02.9A29.C12
Gene No.	73362	Strand	-
Start	782	End	6571
Name	OJ990428_02.9A29.C12.o3.ts	Method	TBLASTX:Soybean
Start	2618	End	2792
GI	none	Score	152
Exons	2618..2782, 2622..2792		

Seq. No.	35528	Seq. ID	OJ990428_02.9A29.C12
Gene No.	73362	Strand	-
Start	782	End	6571
Name	OJ990428_02.9A29.C12.o2.ts	Method	TBLASTX:Soybean
Start	4052	End	4717
GI	none	Score	100
Exons	4052..4150, 4056..4151, 4063..4152, 4234..4341, 4336..4443, 4340..4402, 4366..4407, 4429..4548, 4540..4668, 4541..4717		

Seq. No.	35528	Seq. ID	OJ990428_02.9A29.C12
Gene No.	73362	Strand	-
Start	782	End	6571
Name	OJ990428_02.9A29.C12.o2.tc	Method	TBLASTX:Cress
Start	4336	End	4668
GI	none	Score	81
Exons	4336..4422, 4337..4435, 4441..4668, 4442..4657		

Seq. No.	35528	Seq. ID	OJ990428_02.9A29.C12
Gene No.	73362	Strand	-
Start	782	End	6571
Name	OJ990428_02.9A29.C12.o4.tm	Method	TBLASTX:Maize
Start	4363	End	4714
GI	none	Score	56
Exons	4363..4410, 4364..4411, 4366..4413, 4429..4473, 4429..4668, 4445..4714		

Seq. No.	35529	Seq. ID	OJ990428_02.9A29.C13
Gene No.	73363	Strand	-
Start	467	End	3536
Name	OJ990428_02.9A29.C13.o1.tm	Method	TBLASTX:Maize
Start	465	End	1248
GI	none	Score	70
Exons	465..548, 466..552, 520..552, 611..679, 630..689, 631..690,		

664..690, 789..908, 811..909, 819..908, 891..992, 1140..1247, 1144..1248

Seq. No.	35529	Seq. ID	OJ990428_02.9A29.C13
Gene No.	73363	Strand	-
Start	467	End	3536
Name	OJ990428_02.9A29.C13.o1.gs	Method	GENSCAN
Start	467	End	2030
GI	none	Score	.88
Exons	467..548, 630..691, 908..1055, 1143..1264, 1853..2030		

Seq. No.	35529	Seq. ID	OJ990428_02.9A29.C13
Gene No.	73363	Strand	-
Start	467	End	3536
Name	OJ990428_02.9A29.C13.o1.ts	Method	TBLASTX:Soybean
Start	480	End	887
GI	none	Score	100
Exons	480..545, 517..552, 630..689, 631..690, 804..887		

Seq. No.	35529	Seq. ID	OJ990428_02.9A29.C13
Gene No.	73363	Strand	-
Start	467	End	3536
Name	OJ990428_02.9A29.C13.o1.np	Method	AAT/NAP
Start	724	End	3536
GI	5852093	Score	52
Exons	724..753, 2471..2560, 3513..3536		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	35529	Seq. ID	OJ990428_02.9A29.C13
Gene No.	73363	Strand	-
Start	467	End	3536
Name	OJ990428_02.9A29.C13.o1.gp	Method	AAT/GAP
Start	1703	End	2117
GI	none	Score	446
Exons	1703..1757, 1845..2117		

Seq. No.	35530	Seq. ID	OJ990428_02.9A29.C14
Gene No.	73364	Strand	+
Start	1	End	6971
Name	OJ990428_02.9A29.C14.o1.np	Method	AAT/NAP
Start	1	End	6971
GI	729092	Score	669
Exons	1..35, 554..715, 6065..6587, 6675..6971		
GI Descrip.	CALCIUM-DEPENDENT PROTEIN KINASE, ISOFORM AK1 (CDPK) gi\|477484\|pir\|\|A49082 calcium-dependent protein kinase isoform AK1 - Arabidopsis thaliana gi\|304105 (L14771) calcium-dependent protein kinase [Arabidopsis thaliana]		

Seq. No.	35530	Seq. ID	OJ990428_02.9A29.C14
Gene No.	73364	Strand	+
Start	1	End	6971
Name	OJ990428_02.9A29.C14.o1.gp	Method	AAT/GAP
Start	5378	End	5829
GI	none	Score	801
Exons	5378..5829		

Seq. No.	35530	Seq. ID	OJ990428_02.9A29.C14

Gene No.	73364	Strand	+
Start	1	End	6971
Name	OJ990428_02.9A29.C14.o2.gp	Method	AAT/GAP
Start	6064	End	6512
GI	uC-osf1M202066e05b1	Score	878
Exons	6064..6512		
GI Descrip.	'3320104/emb\|CAA07481\| 3.0e-39 (AJ007366) calcium-dependent protein kinase [Zea mays]'		

Seq. No.	35530	Seq. ID	OJ990428_02.9A29.C14
Gene No.	73365	Strand	+
Start	8885	End	15323
Name	OJ990428_02.9A29.C14.o2.gs	Method	GENSCAN
Start	8885	End	15323
GI	none	Score	.91
Exons	8885..8956, 9036..9132, 9221..9395, 9467..9572, 9604..9752, 11019..11151, 11879..11996, 12203..12283, 12406..12470, 13171..13227, 13701..13772, 13894..14139, 14752..14855, 14955..15047, 15182..15323		

Seq. No.	35530	Seq. ID	OJ990428_02.9A29.C14
Gene No.	73366	Strand	-
Start	720	End	8459
Name	OJ990428_02.9A29.C14.o1.gs	Method	GENSCAN
Start	720	End	8209
GI	none	Score	.52
Exons	720..838, 1139..1209, 1593..1748, 4994..5060, 5383..5928, 6005..6085, 6087..6584, 7586..7899, 7967..8209		

Seq. No.	35530	Seq. ID	OJ990428_02.9A29.C14
Gene No.	73366	Strand	-
Start	720	End	8459
Name	OJ990428_02.9A29.C14.o1.ts	Method	TBLASTX:Soybean
Start	6047	End	7000
GI	none	Score	448
Exons	6047..6589, 6086..6358, 6415..6588, 6658..6822, 6674..7000, 6874..6966		

Seq. No.	35530	Seq. ID	OJ990428_02.9A29.C14
Gene No.	73366	Strand	-
Start	720	End	8459
Name	OJ990428_02.9A29.C14.o1.tc	Method	TBLASTX:Cress
Start	6062	End	6988
GI	none	Score	442
Exons	6062..6586, 6115..6222, 6286..6369, 6415..6564, 6682..6966, 6692..6970, 6704..6988, 6807..6983		

Seq. No.	35530	Seq. ID	OJ990428_02.9A29.C14
Gene No.	73366	Strand	-
Start	720	End	8459
Name	OJ990428_02.9A29.C14.o1.tm	Method	TBLASTX:Maize
Start	6121	End	6988
GI	none	Score	456
Exons	6121..6222, 6122..6589, 6137..6358, 6286..6369, 6415..6567, 6452..6568, 6468..6575, 6655..6813, 6674..6970, 6710..6988		

Seq. No.	35530	Seq. ID	OJ990428_02.9A29.C14

Gene No.	73366	Strand	-
Start	720	End	8459
Name	OJ990428_02.9A29.C14.o2.tw	Method	TBLASTX:Wheat
Start	6257	End	6529
GI	none	Score	276
Exons	6257..6529, 6266..6358, 6277..6369, 6424..6528		

Seq. No.	35530	Seq. ID	OJ990428_02.9A29.C14
Gene No.	73366	Strand	-
Start	720	End	8459
Name	OJ990428_02.9A29.C14.o1.tw	Method	TBLASTX:Wheat
Start	6536	End	6970
GI	none	Score	56
Exons	6536..6589, 6673..6729, 6674..6970, 6754..6822, 6874..6969		

Seq. No.	35530	Seq. ID	OJ990428_02.9A29.C14
Gene No.	73366	Strand	-
Start	720	End	8459
Name	OJ990428_02.9A29.C14.o2.tm	Method	TBLASTX:Maize
Start	7556	End	8209
GI	none	Score	49
Exons	7556..7585, 7592..7738, 7593..7715, 7594..7740, 7742..7759, 7759..7833, 7760..7834, 7769..7840, 7858..7902, 7859..7924, 8038..8130, 8042..8128, 8063..8173, 8119..8208, 8132..8209		

Seq. No.	35530	Seq. ID	OJ990428_02.9A29.C14
Gene No.	73366	Strand	-
Start	720	End	8459
Name	OJ990428_02.9A29.C14.o3.gp	Method	AAT/GAP
Start	7650	End	8459
GI	none	Score	1541
Exons	7650..8459		

Seq. No.	35530	Seq. ID	OJ990428_02.9A29.C14
Gene No.	73367	Strand	
Start	8920	End	9572
Name	OJ990428_02.9A29.C14.o4.tm	Method	TBLASTX:Maize
Start	8920	End	9330
GI	none	Score	56
Exons	8920..8955, 8921..8956, 9033..9104, 9038..9106, 9149..9256, 9219..9260, 9222..9305, 9223..9330, 9223..9309		

Seq. No.	35530	Seq. ID	OJ990428_02.9A29.C14
Gene No.	73367	Strand	
Start	8920	End	9572
Name	OJ990428_02.9A29.C14.o2.tc	Method	TBLASTX:Cress
Start	8921	End	9524
GI	none	Score	50
Exons	8921..8959, 9033..9071, 9216..9299, 9220..9399, 9232..9399, 9467..9508, 9468..9524		

Seq. No.	35530	Seq. ID	OJ990428_02.9A29.C14
Gene No.	73367	Strand	
Start	8920	End	9572
Name	OJ990428_02.9A29.C14.o2.ts	Method	TBLASTX:Soybean
Start	9222	End	9572
GI	none	Score	253

Exons	9222..9305, 9223..9399, 9468..9572		
Seq. No.	35530	Seq. ID	OJ990428_02.9A29.C14
Gene No.	73368	Strand	
Start	9546	End	14064
Name	OJ990428_02.9A29.C14.o3.tm	Method	TBLASTX:Maize
Start	9546	End	14064
GI	none	Score	38
Exons	9546..9572, 9651..9761, 9652..9747, 9671..9751, 11018..11113, 11019..11108, 11020..11121, 11887..11988, 11894..11998, 11894..11995, 12202..12282, 12203..12277, 12204..12281, 12390..12479, 12406..12477, 13168..13230, 13169..13228, 13170..13232, 13170..13229, 13695..13772, 13701..13772, 13702..13773, 13703..13783, 13879..14061, 13890..14057, 13891..14064, 13892..14062		
Seq. No.	35531	Seq. ID	OJ990428_02.9A29.C15
Gene No.	73369	Strand	+
Start	80	End	1471
Name	OJ990428_02.9A29.C15.o1.gs	Method	GENSCAN
Start	80	End	1471
GI	none	Score	.62
Exons	80..140, 935..1063, 1458..1471		
Seq. No.	35531	Seq. ID	OJ990428_02.9A29.C15
Gene No.	73370	Strand	-
Start	997	End	2945
Name	OJ990428_02.9A29.C15.o1.np	Method	AAT/NAP
Start	997	End	2945
GI	2980802	Score	342
Exons	997..1036, 2541..2945		
GI Descrip.	(AL022197) transcriptional activator CBF1-like protein [Arabidopsis thaliana]		
Seq. No.	35531	Seq. ID	OJ990428_02.9A29.C15
Gene No.	73370	Strand	-
Start	997	End	2945
Name	OJ990428_02.9A29.C15.o2.gs	Method	GENSCAN
Start	2253	End	2919
GI	none	Score	.58
Exons	2253..2415, 2541..2919		
Seq. No.	35531	Seq. ID	OJ990428_02.9A29.C15
Gene No.	73370	Strand	-
Start	997	End	2945
Name	OJ990428_02.9A29.C15.o1.tc	Method	TBLASTX:Cress
Start	2582	End	2866
GI	none	Score	34
Exons	2582..2782, 2604..2636, 2718..2783, 2777..2866, 2781..2849		
Seq. No.	35531	Seq. ID	OJ990428_02.9A29.C15
Gene No.	73370	Strand	-
Start	997	End	2945
Name	OJ990428_02.9A29.C15.o1.ts	Method	TBLASTX:Soybean
Start	2582	End	2878
GI	none	Score	40
Exons	2582..2782, 2601..2639, 2718..2762, 2777..2878, 2781..2858		

Seq. No.	35531	Seq. ID	OJ990428_02.9A29.C15
Gene No.	73370	Strand	-
Start	997	End	2945
Name	OJ990428_02.9A29.C15.o1.tm	Method	TBLASTX:Maize
Start	2705	End	2878
GI	none	Score	209
Exons	2705..2878, 2718..2864		

Seq. No.	35532	Seq. ID	OJ990428_02.9A29.C16
Gene No.	73371	Strand	-
Start	1346	End	5023
Name	OJ990428_02.9A29.C16.o1.gs	Method	GENSCAN
Start	1346	End	4982
GI	none	Score	.42
Exons	1346..1463, 2789..3111, 3531..3653, 4850..4982		

Seq. No.	35532	Seq. ID	OJ990428_02.9A29.C16
Gene No.	73371	Strand	-
Start	1346	End	5023
Name	OJ990428_02.9A29.C16.o1.gp	Method	AAT/GAP
Start	3170	End	3344
GI	LIB3433-026-P1-K1-C1	Score	233
Exons	3170..3344		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	35532	Seq. ID	OJ990428_02.9A29.C16
Gene No.	73371	Strand	-
Start	1346	End	5023
Name	OJ990428_02.9A29.C16.o1.np	Method	AAT/NAP
Start	3724	End	5023
GI	6063554	Score	120
Exons	3724..3895, 4950..5023		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35533	Seq. ID	OJ990428_02.9A29.C18
Gene No.	73372	Strand	+
Start	254	End	511
Name	OJ990428_02.9A29.C18.o1.gs	Method	GENSCAN
Start	254	End	511
GI	none	Score	.75
Exons	254..511		

Seq. No.	35533	Seq. ID	OJ990428_02.9A29.C18
Gene No.	73373	Strand	-
Start	109	End	694
Name	OJ990428_02.9A29.C18.o1.tm	Method	TBLASTX:Maize
Start	104	End	564
GI	none	Score	172
Exons	104..223, 110..214, 114..227, 114..215, 115..255, 427..564, 431..496, 468..545		

Seq. No.	35533	Seq. ID	OJ990428_02.9A29.C18
Gene No.	73373	Strand	-

Start	109	End	694
Name	OJ990428_02.9A29.C18.o1.gp	Method	AAT/GAP
Start	109	End	543
GI	uC-osflcyp086e04b1	Score	356
Exons	109..213, 430..543		
GI Descrip.	'5734620/dbj\|BAA83351.1\| 4.0e-17 (AP000391) ESTs AU077435(C12539),C26534(C12539) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	35533	Seq. ID	OJ990428_02.9A29.C18
Gene No.	73373	Strand	-
Start	109	End	694
Name	OJ990428_02.9A29.C18.o1.np	Method	AAT/NAP
Start	115	End	694
GI	6403492	Score	221
Exons	115..213, 430..694		
GI Descrip.	(AC010871) unknown protein [Arabidopsis thaliana]		

Seq. No.	35534	Seq. ID	OJ990428_02.9A29.C20
Gene No.	73374	Strand	+
Start	69	End	835
Name	OJ990428_02.9A29.C20.o1.gs	Method	GENSCAN
Start	69	End	835
GI	none	Score	.76
Exons	69..196, 315..382, 567..614, 711..835		

Seq. No.	35535	Seq. ID	OJ990428_02.9A29.C21
Gene No.	73375	Strand	-
Start	1	End	384
Name	OJ990428_02.9A29.C21.o1.gp	Method	AAT/GAP
Start	1	End	168
GI	14682_1.R1084	Score	302
Exons	1..168		
GI Descrip.	'2980798/emb\|CAA18174.1\| 8.0e-78 (AL022197) putative protein [Arabidopsis thaliana]'		

Seq. No.	35535	Seq. ID	OJ990428_02.9A29.C21
Gene No.	73375	Strand	-
Start	1	End	384
Name	OJ990428_02.9A29.C21.o1.gs	Method	GENSCAN
Start	44	End	384
GI	none	Score	.89
Exons	44..166, 330..384		

Seq. No.	35536	Seq. ID	OJ990428_02.9A29.C25
Gene No.	73376	Strand	+
Start	338	End	692
Name	OJ990428_02.9A29.C25.o1.gp	Method	AAT/GAP
Start	338	End	692
GI	45206_1.R1084	Score	624
Exons	338..692		
GI Descrip.	'4469024/emb\|CAB38285\| 3.0e-30 (AL035602) putative protein [Arabidopsis thaliana]'		

Seq. No.	35537	Seq. ID	OJ990428_02.9A29.C27
Gene No.	73377	Strand	-
Start	24	End	233

Name	OJ990428_02.9A29.C27.o1.gs	Method	GENSCAN
Start	24	End	233
GI	none	Score	.62
Exons	24..233		

Seq. No.	35538	Seq. ID	OJ990428_02.9A29.C28
Gene No.	73378	Strand	+
Start	1	End	1490
Name	OJ990428_02.9A29.C28.o1.np	Method	AAT/NAP
Start	1	End	1490
GI	6403507	Score	428
Exons	1..20, 229..802, 1474..1490		
GI Descrip.	(AC010871) unknown protein [Arabidopsis thaliana] gi\|6714383\|gb\|AAF26073.1\|AC012562_28 (AC012562) unknown protein [Arabidopsis thaliana]		

Seq. No.	35538	Seq. ID	OJ990428_02.9A29.C28
Gene No.	73378	Strand	+
Start	1	End	1490
Name	OJ990428_02.9A29.C28.o1.gs	Method	GENSCAN
Start	222	End	812
GI	none	Score	.53
Exons	222..812		

Seq. No.	35538	Seq. ID	OJ990428_02.9A29.C28
Gene No.	73378	Strand	+
Start	1	End	1490
Name	OJ990428_02.9A29.C28.o1.tm	Method	TBLASTX:Maize
Start	225	End	770
GI	none	Score	368
Exons	225..770, 227..394, 384..530, 428..721		

Seq. No.	35538	Seq. ID	OJ990428_02.9A29.C28
Gene No.	73378	Strand	+
Start	1	End	1490
Name	OJ990428_02.9A29.C28.o1.ts	Method	TBLASTX:Soybean
Start	225	End	761
GI	none	Score	382
Exons	225..761, 227..721		

Seq. No.	35538	Seq. ID	OJ990428_02.9A29.C28
Gene No.	73378	Strand	+
Start	1	End	1490
Name	OJ990428_02.9A29.C28.o1.tc	Method	TBLASTX:Cress
Start	227	End	749
GI	none	Score	311
Exons	227..661, 228..749		

Seq. No.	35539	Seq. ID	OJ990428_02.9A29.C29
Gene No.	73379	Strand	-
Start	244	End	1041
Name	OJ990428_02.9A29.C29.o1.gs	Method	GENSCAN
Start	244	End	1041
GI	none	Score	.62
Exons	244..299, 943..1041		

Seq. No.	35540	Seq. ID	OJ990428_02.9A29.C30

Gene No.	73380	Strand	+
Start	1262	End	3589
Name	OJ990428_02.9A29.C30.o1.np	Method	AAT/NAP
Start	1262	End	3508
GI	6553889	Score	71
Exons	1262..1315, 3118..3245, 3461..3508		
GI Descrip.	(AC012563) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	35540	Seq. ID	OJ990428_02.9A29.C30
Gene No.	73380	Strand	+
Start	1262	End	3589
Name	OJ990428_02.9A29.C30.o1.gp	Method	AAT/GAP
Start	1705	End	2279
GI	2309845	Score	647
Exons	1705..1900, 2107..2279		

Seq. No.	35540	Seq. ID	OJ990428_02.9A29.C30
Gene No.	73380	Strand	+
Start	1262	End	3589
Name	OJ990428_02.9A29.C30.o1.gs	Method	GENSCAN
Start	1751	End	3589
GI	none	Score	.8
Exons	1751..1900, 2107..2350, 2519..2535, 2720..2767, 2864..2988, 3137..3245, 3503..3589		

Seq. No.	35540	Seq. ID	OJ990428_02.9A29.C30
Gene No.	73381	Strand	+
Start	4468	End	6739
Name	OJ990428_02.9A29.C30.o2.gs	Method	GENSCAN
Start	4468	End	6739
GI	none	Score	.54
Exons	4468..4586, 5476..5693, 6726..6739		

Seq. No.	35540	Seq. ID	OJ990428_02.9A29.C30
Gene No.	73382	Strand	-
Start	5306	End	10223
Name	OJ990428_02.9A29.C30.o2.np	Method	AAT/NAP
Start	5306	End	10218
GI	2980798	Score	349
Exons	5306..5328, 7458..7785, 8176..8248, 8736..8805, 9022..9115, 9263..9363, 9828..9896, 10004..10218		
GI Descrip.	(AL022197) putative protein [Arabidopsis thaliana]		

Seq. No.	35540	Seq. ID	OJ990428_02.9A29.C30
Gene No.	73382	Strand	-
Start	5306	End	10223
Name	OJ990428_02.9A29.C30.o2.gp	Method	AAT/GAP
Start	6995	End	8007
GI	none	Score	1994
Exons	6995..8007		

Seq. No.	35540	Seq. ID	OJ990428_02.9A29.C30
Gene No.	73382	Strand	-
Start	5306	End	10223
Name	OJ990428_02.9A29.C30.o3.gs	Method	GENSCAN
Start	7027	End	10138

GI	none	Score	.73
Exons	7027..7124, 7304..8248, 8736..8805, 9022..9115, 9263..9363, 9828..9896, 10004..10138		

Seq. No.	35540	Seq. ID	OJ990428_02.9A29.C30
Gene No.	73382	Strand	-
Start	5306	End	10223
Name	OJ990428_02.9A29.C30.o2.tm	Method	TBLASTX:Maize
Start	7701	End	8183
GI	none	Score	72
Exons	7701..7769, 7705..7770, 7712..7759, 7767..7808, 7768..7806, 7794..7832, 7795..7833, 7831..8001, 7836..8015, 7841..8017, 7842..7967, 8064..8096, 8097..8183, 8113..8181		

Seq. No.	35540	Seq. ID	OJ990428_02.9A29.C30
Gene No.	73382	Strand	-
Start	5306	End	10223
Name	OJ990428_02.9A29.C30.o1.ts	Method	TBLASTX:Soybean
Start	8149	End	10220
GI	none	Score	63
Exons	8149..8223, 8737..8811, 9016..9111, 9023..9118, 9253..9366, 9822..9908, 9840..9911, 9992..10219, 10005..10220		

Seq. No.	35540	Seq. ID	OJ990428_02.9A29.C30
Gene No.	73382	Strand	-
Start	5306	End	10223
Name	OJ990428_02.9A29.C30.o1.tm	Method	TBLASTX:Maize
Start	8744	End	10223
GI	none	Score	101
Exons	8744..8842, 8744..8809, 8746..8811, 9016..9069, 9023..9070, 9073..9114, 9077..9118, 9253..9366, 9254..9355, 9261..9365, 9280..9366, 9822..9902, 9826..9897, 10001..10216, 10001..10219, 10005..10220, 10005..10223		

Seq. No.	35540	Seq. ID	OJ990428_02.9A29.C30
Gene No.	73382	Strand	-
Start	5306	End	10223
Name	OJ990428_02.9A29.C30.o1.tc	Method	TBLASTX:Cress
Start	9858	End	10220
GI	none	Score	93
Exons	9858..9908, 9992..10219, 10001..10204, 10005..10220		

Seq. No.	35541	Seq. ID	OJ990428_02.9A29.C31
Gene No.	73383	Strand	-
Start	1	End	3372
Name	OJ990428_02.9A29.C31.o1.np	Method	AAT/NAP
Start	1	End	1873
GI	2980798	Score	328
Exons	1..41, 600..648, 1018..1146, 1232..1873		
GI Descrip.	(AL022197) putative protein [Arabidopsis thaliana]		

Seq. No.	35541	Seq. ID	OJ990428_02.9A29.C31
Gene No.	73383	Strand	-
Start	1	End	3372
Name	OJ990428_02.9A29.C31.o1.gp	Method	AAT/GAP
Start	600	End	1142
GI	14682_1.R1084	Score	305

Exons	600..648, 1018..1142		
GI Descrip.	'2980798/emb\|CAA18174.1\| 8.0e-78 (AL022197) putative protein [Arabidopsis thaliana]'		

Seq. No.	35541	Seq. ID	OJ990428_02.9A29.C31
Gene No.	73383	Strand	-
Start	1	End	3372
Name	OJ990428_02.9A29.C31.o1.gs	Method	GENSCAN
Start	904	End	3372
GI	none	Score	.92
Exons	904..942, 1232..1987, 3118..3372		

Seq. No.	35541	Seq. ID	OJ990428_02.9A29.C31
Gene No.	73383	Strand	-
Start	1	End	3372
Name	OJ990428_02.9A29.C31.o2.gp	Method	AAT/GAP
Start	1691	End	3217
GI	none	Score	835
Exons	1691..1987, 3061..3217		

Seq. No.	35541	Seq. ID	OJ990428_02.9A29.C31
Gene No.	73384	Strand	-
Start	4914	End	6937
Name	OJ990428_02.9A29.C31.o2.tm	Method	TBLASTX:Maize
Start	1042	End	1952
GI	none	Score	153
Exons	1042..1146, 1043..1147, 1043..1147, 1227..1316, 1232..1315, 1316..1405, 1317..1379, 1342..1587, 1371..1907, 1443..1907, 1589..1909, 1916..1951, 1917..1952		

Seq. No.	35541	Seq. ID	OJ990428_02.9A29.C31
Gene No.	73384	Strand	-
Start	4914	End	6937
Name	OJ990428_02.9A29.C31.o2.np	Method	AAT/NAP
Start	4914	End	6937
GI	4914423	Score	1296
Exons	4914..5037, 5886..6937		
GI Descrip.	(AL050351) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	35541	Seq. ID	OJ990428_02.9A29.C31
Gene No.	73384	Strand	-
Start	4914	End	6937
Name	OJ990428_02.9A29.C31.o2.gs	Method	GENSCAN
Start	5643	End	6855
GI	none	Score	.59
Exons	5643..5814, 5843..6855		

Seq. No.	35541	Seq. ID	OJ990428_02.9A29.C31
Gene No.	73384	Strand	-
Start	4914	End	6937
Name	OJ990428_02.9A29.C31.o1.tm	Method	TBLASTX:Maize
Start	5983	End	6864
GI	none	Score	750
Exons	5983..6555, 6002..6550, 6475..6573, 6550..6630, 6565..6864, 6566..6862		

Seq. No.	35541	Seq. ID	OJ990428_02.9A29.C31
Gene No.	73384	Strand	-
Start	4914	End	6937
Name	OJ990428_02.9A29.C31.o2.tw	Method	TBLASTX:Wheat
Start	5983	End	6375
GI	none	Score	50
Exons	5983..6153, 6011..6154, 6175..6375, 6251..6364		

Seq. No.	35541	Seq. ID	OJ990428_02.9A29.C31
Gene No.	73384	Strand	-
Start	4914	End	6937
Name	OJ990428_02.9A29.C31.o1.ts	Method	TBLASTX:Soybean
Start	5995	End	6882
GI	none	Score	565
Exons	5995..6882, 6002..6781, 6824..6862		

Seq. No.	35541	Seq. ID	OJ990428_02.9A29.C31
Gene No.	73384	Strand	-
Start	4914	End	6937
Name	OJ990428_02.9A29.C31.o2.tc	Method	TBLASTX:Cress
Start	5995	End	6301
GI	none	Score	179
Exons	5995..6300, 6005..6301		

Seq. No.	35541	Seq. ID	OJ990428_02.9A29.C31
Gene No.	73384	Strand	-
Start	4914	End	6937
Name	OJ990428_02.9A29.C31.o3.gp	Method	AAT/GAP
Start	6219	End	6655
GI	16916_1.R1084	Score	778
Exons	6219..6655		
GI Descrip.	'4567279/gb\|AAD23692.1\|AC006841_20 1.0e-60 (AC006841) putative serine/threonine protein kinase [Arabidopsis thaliana]'		

Seq. No.	35541	Seq. ID	OJ990428_02.9A29.C31
Gene No.	73384	Strand	-
Start	4914	End	6937
Name	OJ990428_02.9A29.C31.o1.tc	Method	TBLASTX:Cress
Start	6302	End	6855
GI	none	Score	371
Exons	6302..6766, 6313..6765, 6763..6855		

Seq. No.	35541	Seq. ID	OJ990428_02.9A29.C31
Gene No.	73384	Strand	-
Start	4914	End	6937
Name	OJ990428_02.9A29.C31.o1.tw	Method	TBLASTX:Wheat
Start	6400	End	6819
GI	none	Score	350
Exons	6400..6765, 6401..6766, 6763..6819		

Seq. No.	35542	Seq. ID	OJ990428_02.9A29.C32
Gene No.	73385	Strand	-
Start	1	End	1174
Name	OJ990428_02.9A29.C32.o1.np	Method	AAT/NAP
Start	1	End	1084
GI	4567279	Score	771
Exons	1..1084		

GI Descrip. (AC006841) putative protein kinase [Arabidopsis thaliana]

Seq. No.	35542	Seq. ID	OJ990428_02.9A29.C32
Gene No.	73385	Strand	-
Start	1	End	1174
Name	OJ990428_02.9A29.C32.o1.tm	Method	TBLASTX:Maize
Start	1	End	419
GI	none	Score	482
Exons	1..48, 3..419, 3..176, 14..415		

Seq. No.	35542	Seq. ID	OJ990428_02.9A29.C32
Gene No.	73385	Strand	-
Start	1	End	1174
Name	OJ990428_02.9A29.C32.o1.ts	Method	TBLASTX:Soybean
Start	2	End	430
GI	none	Score	75
Exons	2..256, 18..245, 329..430		

Seq. No.	35542	Seq. ID	OJ990428_02.9A29.C32
Gene No.	73385	Strand	-
Start	1	End	1174
Name	OJ990428_02.9A29.C32.o1.gs	Method	GENSCAN
Start	23	End	1081
GI	none	Score	.94
Exons	23..1081		

Seq. No.	35542	Seq. ID	OJ990428_02.9A29.C32
Gene No.	73385	Strand	-
Start	1	End	1174
Name	OJ990428_02.9A29.C32.o1.gp	Method	AAT/GAP
Start	851	End	1174
GI	none	Score	636
Exons	851..1174		

Seq. No.	35543	Seq. ID	OJ990428_02.9A29.C33
Gene No.	73386	Strand	+
Start	252	End	503
Name	OJ990428_02.9A29.C33.o1.gs	Method	GENSCAN
Start	252	End	503
GI	none	Score	.84
Exons	252..503		

Seq. No.	35543	Seq. ID	OJ990428_02.9A29.C33
Gene No.	73387	Strand	+
Start	692	End	4359
Name	OJ990428_02.9A29.C33.o1.np	Method	AAT/NAP
Start	692	End	4359
GI	6907087	Score	68
Exons	692..962, 2893..3004, 4307..4359		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35543	Seq. ID	OJ990428_02.9A29.C33
Gene No.	73388	Strand	-
Start	3173	End	4143
Name	OJ990428_02.9A29.C33.o2.gs	Method	GENSCAN

Start	3173	End	4143
GI	none	Score	.54
Exons	3173..3333, 4018..4143		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73389	Strand	+
Start	94	End	9689
Name	OJ990428_02.9A29.C34.o1.gs	Method	GENSCAN
Start	94	End	9689
GI	none	Score	.47
Exons	94..330, 900..1040, 3408..3515, 4623..4701, 4737..4777, 8026..8485, 8574..8830, 8835..9078, 9178..9689		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73389	Strand	+
Start	94	End	9689
Name	OJ990428_02.9A29.C34.o2.gp	Method	AAT/GAP
Start	7927	End	8295
GI	none	Score	734
Exons	7927..8295		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73389	Strand	+
Start	94	End	9689
Name	OJ990428_02.9A29.C34.o2.np	Method	AAT/NAP
Start	8244	End	9369
GI	6624711	Score	369
Exons	8244..8485, 8574..8830, 8932..9078, 9178..9240, 9298..9369		
GI Descrip.	(AJ243961) hypothetical protein [Oryza sativa]		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73389	Strand	+
Start	94	End	9689
Name	OJ990428_02.9A29.C34.o3.gp	Method	AAT/GAP
Start	9162	End	9423
GI	none	Score	392
Exons	9162..9423		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73390	Strand	+
Start	14606	End	15708
Name	OJ990428_02.9A29.C34.o3.gs	Method	GENSCAN
Start	14606	End	15708
GI	none	Score	.89
Exons	14606..14668, 14841..14921, 15327..15514, 15558..15708		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73391	Strand	+
Start	18534	End	21123
Name	OJ990428_02.9A29.C34.o5.gp	Method	AAT/GAP
Start	18534	End	21123
GI	12948_1.R1084	Score	2080
Exons	18534..18638, 19520..19727, 19822..19896, 19994..20068, 20187..20267, 20359..20433, 20522..20695, 20798..21123		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 5.0e-95 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73391	Strand	+
Start	18534	End	21123
Name	OJ990428_02.9A29.C34.o3.np	Method	AAT/NAP
Start	19533	End	20737
GI	3386621	Score	699
Exons	19533..19727, 19822..19896, 19994..20068, 20187..20267, 20359..20426, 20515..20737		
GI Descrip.	(AC004665) unknown protein [Arabidopsis thaliana]		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73391	Strand	+
Start	18534	End	21123
Name	OJ990428_02.9A29.C34.o5.gs	Method	GENSCAN
Start	19536	End	20827
GI	none	Score	.98
Exons	19536..19727, 19822..19896, 20359..20433, 20522..20695, 20798..20827		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73392	Strand	-
Start	836	End	5507
Name	OJ990428_02.9A29.C34.o1.np	Method	AAT/NAP
Start	836	End	5507
GI	6069646	Score	302
Exons	836..1149, 5433..5507		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73392	Strand	-
Start	836	End	5507
Name	OJ990428_02.9A29.C34.o1.gp	Method	AAT/GAP
Start	3415	End	3642
GI	6547_1.R1084	Score	332
Exons	3415..3642		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73393	Strand	-
Start	9474	End	10078
Name	OJ990428_02.9A29.C34.o4.gp	Method	AAT/GAP
Start	9474	End	10078
GI	45206_1.R1084	Score	1142
Exons	9474..10078		
GI Descrip.	'4469024/emb\|CAB38285\| 3.0e-30 (AL035602) putative protein [Arabidopsis thaliana]'		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73394	Strand	-
Start	10895	End	12097
Name	OJ990428_02.9A29.C34.o2.gs	Method	GENSCAN
Start	10895	End	12097

GI	none	Score	.9
Exons	10895..10912, 11233..11422, 12060..12097		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73395	Strand	-
Start	17403	End	18905
Name	OJ990428_02.9A29.C34.o4.gs	Method	GENSCAN
Start	17403	End	18905
GI	none	Score	.86
Exons	17403..17536, 17730..18048, 18331..18394, 18459..18609, 18878..18905		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73396	Strand	-
Start	21087	End	21321
Name	OJ990428_02.9A29.C34.o2.tm	Method	TBLASTX:Maize
Start	8322	End	9270
GI	none	Score	98
Exons	8322..8393, 8323..8394, 8379..8486, 8386..8490, 8572..8682, 8573..8833, 8657..8722, 8920..9078, 9172..9231, 9174..9236, 9175..9270		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73396	Strand	-
Start	21087	End	21321
Name	OJ990428_02.9A29.C34.o2.ts	Method	TBLASTX:Soybean
Start	8322	End	9039
GI	none	Score	98
Exons	8322..8393, 8323..8394, 8379..8486, 8386..8490, 8572..8682, 8573..8833, 8576..8722, 8920..9039		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73396	Strand	-
Start	21087	End	21321
Name	OJ990428_02.9A29.C34.o2.tc	Method	TBLASTX:Cress
Start	8332	End	9213
GI	none	Score	60
Exons	8332..8370, 8422..8490, 8572..8682, 8573..8833, 8899..9081, 9172..9213		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73396	Strand	-
Start	21087	End	21321
Name	OJ990428_02.9A29.C34.o2.tw	Method	TBLASTX:Wheat
Start	8439	End	8831
GI	none	Score	75
Exons	8439..8486, 8440..8490, 8572..8682, 8573..8722, 8573..8722, 8814..8831		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73396	Strand	-
Start	21087	End	21321
Name	OJ990428_02.9A29.C34.o1.tc	Method	TBLASTX:Cress
Start	19533	End	20270
GI	none	Score	272
Exons	19533..19727, 19554..19727, 19813..19896, 19815..19895, 19991..20068, 19993..20070, 20184..20270		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73396	Strand	-
Start	21087	End	21321
Name	OJ990428_02.9A29.C34.o1.tm	Method	TBLASTX:Maize
Start	19536	End	20698
GI	none	Score	286
Exons	19536..19727, 19580..19726, 19813..19896, 19820..19891, 19821..19895, 19991..20068, 19992..20066, 19993..20067, 20184..20270, 20186..20275, 20360..20428, 20361..20432, 20516..20698, 20521..20691		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73396	Strand	-
Start	21087	End	21321
Name	OJ990428_02.9A29.C34.o1.ts	Method	TBLASTX:Soybean
Start	19536	End	20270
GI	none	Score	270
Exons	19536..19727, 19537..19605, 19580..19726, 19813..19896, 19815..19895, 19991..20068, 19993..20061, 20184..20270		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73396	Strand	-
Start	21087	End	21321
Name	OJ990428_02.9A29.C34.o1.tw	Method	TBLASTX:Wheat
Start	19685	End	20563
GI	none	Score	58
Exons	19685..19726, 19686..19727, 19813..19896, 19820..19894, 19821..19895, 19991..20068, 19992..20066, 19993..20067, 20184..20270, 20184..20267, 20186..20275, 20313..20450, 20360..20428, 20516..20563, 20521..20562		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73396	Strand	-
Start	21087	End	21321
Name	OJ990428_02.9A29.C34.o3.ts	Method	TBLASTX:Soybean
Start	20516	End	20824
GI	none	Score	224
Exons	20516..20698, 20524..20694, 20573..20701, 20795..20824, 20797..20823		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73396	Strand	-
Start	21087	End	21321
Name	OJ990428_02.9A29.C34.o3.tc	Method	TBLASTX:Cress
Start	20519	End	20698
GI	none	Score	244
Exons	20519..20698, 20521..20697		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73396	Strand	-
Start	21087	End	21321
Name	OJ990428_02.9A29.C34.o3.tw	Method	TBLASTX:Wheat
Start	20566	End	20916
GI	none	Score	115
Exons	20566..20691, 20567..20698, 20569..20691, 20795..20857, 20796..20855, 20797..20916		

Seq. No.	35544	Seq. ID	OJ990428_02.9A29.C34
Gene No.	73396	Strand	-
Start	21087	End	21321
Name	OJ990428_02.9A29.C34.o6.gs	Method	GENSCAN
Start	21087	End	21321
GI	none	Score	.52
Exons	21087..21321		

Seq. No.	35545	Seq. ID	OJ990428_02.9A29.C35
Gene No.	73397	Strand	+
Start	58	End	160
Name	OJ990428_02.9A29.C35.o1.gp	Method	AAT/GAP
Start	58	End	160
GI	12948_1.R1084	Score	165
Exons	58..160		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 5.0e-95 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	35545	Seq. ID	OJ990428_02.9A29.C35
Gene No.	73398	Strand	-
Start	124	End	333
Name	OJ990428_02.9A29.C35.o1.gs	Method	GENSCAN
Start	124	End	333
GI	none	Score	.62
Exons	124..333		

Seq. No.	35546	Seq. ID	OJ990428_02.9A29.C36
Gene No.	73399	Strand	+
Start	79	End	435
Name	OJ990428_02.9A29.C36.o1.gs	Method	GENSCAN
Start	79	End	435
GI	none	Score	.94
Exons	79..179, 253..435		

Seq. No.	35547	Seq. ID	OJ990428_02.9A29.C40
Gene No.	73400	Strand	-
Start	282	End	360
Name	OJ990428_02.9A29.C40.o1.gs	Method	GENSCAN
Start	282	End	360
GI	none	Score	.9
Exons	282..360		

Seq. No.	35548	Seq. ID	OJ990428_02.9A29.C41
Gene No.	73401	Strand	-
Start	568	End	634
Name	OJ990428_02.9A29.C41.o1.gs	Method	GENSCAN
Start	568	End	634
GI	none	Score	.42
Exons	568..634		

Seq. No.	35549	Seq. ID	OJ990428_02.9A29.C43
Gene No.	73402	Strand	-
Start	1	End	923
Name	OJ990428_02.9A29.C43.o1.np	Method	AAT/NAP
Start	1	End	923
GI	1402883	Score	334

Exons	1..40, 131..923		
GI Descrip.	(X98130) unknown [Arabidopsis thaliana] gi\|1495263\|emb\|CAA66119\| (X97487) orf09 [Arabidopsis thaliana]		

Seq. No.	35549	Seq. ID	OJ990428_02.9A29.C43
Gene No.	73402	Strand	-
Start	1	End	923
Name	OJ990428_02.9A29.C43.o1.tc	Method	TBLASTX:Cress
Start	154	End	750
GI	none	Score	56
Exons	154..255, 179..241, 274..462, 478..600, 478..750, 565..747	275..514, 391..654, 392..610,	

Seq. No.	35549	Seq. ID	OJ990428_02.9A29.C43
Gene No.	73402	Strand	-
Start	1	End	923
Name	OJ990428_02.9A29.C43.o1.gs	Method	GENSCAN
Start	166	End	764
GI	none	Score	.76
Exons	166..764		

Seq. No.	35549	Seq. ID	OJ990428_02.9A29.C43
Gene No.	73402	Strand	-
Start	1	End	923
Name	OJ990428_02.9A29.C43.o1.tw	Method	TBLASTX:Wheat
Start	169	End	741
GI	none	Score	119
Exons	169..255, 244..462, 275..463, 631..741	472..621, 473..610, 556..714,	

Seq. No.	35549	Seq. ID	OJ990428_02.9A29.C43
Gene No.	73402	Strand	-
Start	1	End	923
Name	OJ990428_02.9A29.C43.o1.tm	Method	TBLASTX:Maize
Start	178	End	738
GI	none	Score	63
Exons	178..264, 274..462, 460..645,	461..604, 478..738, 521..628	

Seq. No.	35549	Seq. ID	OJ990428_02.9A29.C43
Gene No.	73402	Strand	-
Start	1	End	923
Name	OJ990428_02.9A29.C43.o1.ts	Method	TBLASTX:Soybean
Start	256	End	603
GI	none	Score	90
Exons	256..462, 275..490, 469..603		

Seq. No.	35550	Seq. ID	OJ990428_02.9A29.C44
Gene No.	73403	Strand	+
Start	124	End	4904
Name	OJ990428_02.9A29.C44.o1.gs	Method	GENSCAN
Start	124	End	4807
GI	none	Score	.54
Exons	124..403, 2413..2525, 2740..2884, 2913..3212, 3347..3453, 4056..4469, 4552..4728, 4782..4807		

Seq. No.	35550	Seq. ID	OJ990428_02.9A29.C44
Gene No.	73403	Strand	+

Start	124	End	4904
Name	OJ990428_02.9A29.C44.o1.np	Method	AAT/NAP
Start	2440	End	4904
GI	3600039	Score	1789
Exons	2440..2567, 2752..3212, 3356..3453, 3900..4469, 4552..4807, 4882..4904		
GI Descrip.	(AF080119) similar to Schizosaccharomyces pombe isp4 protein (GB:D14061) [Arabidopsis thaliana]		

Seq. No.	35550	Seq. ID	OJ990428_02.9A29.C44
Gene No.	73403	Strand	+
Start	124	End	4904
Name	OJ990428_02.9A29.C44.o1.tc	Method	TBLASTX:Cress
Start	2796	End	3113
GI	none	Score	235
Exons	2796..3008, 3014..3112, 3027..3113		

Seq. No.	35550	Seq. ID	OJ990428_02.9A29.C44
Gene No.	73403	Strand	+
Start	124	End	4904
Name	OJ990428_02.9A29.C44.o3.tm	Method	TBLASTX:Maize
Start	2796	End	3086
GI	none	Score	171
Exons	2796..3020, 2855..3004, 3036..3083, 3038..3085, 3039..3086		

Seq. No.	35550	Seq. ID	OJ990428_02.9A29.C44
Gene No.	73403	Strand	+
Start	124	End	4904
Name	OJ990428_02.9A29.C44.o2.ts	Method	TBLASTX:Soybean
Start	2796	End	3023
GI	none	Score	303
Exons	2796..3023, 2855..3001		

Seq. No.	35550	Seq. ID	OJ990428_02.9A29.C44
Gene No.	73403	Strand	+
Start	124	End	4904
Name	OJ990428_02.9A29.C44.o1.ts	Method	TBLASTX:Soybean
Start	3352	End	4467
GI	none	Score	65
Exons	3352..3468, 3354..3425, 3356..3451, 3874..4467, 3897..4076, 4060..4467		

Seq. No.	35550	Seq. ID	OJ990428_02.9A29.C44
Gene No.	73403	Strand	+
Start	124	End	4904
Name	OJ990428_02.9A29.C44.o1.tm	Method	TBLASTX:Maize
Start	3364	End	4292
GI	none	Score	155
Exons	3364..3453, 3365..3454, 3874..4290, 3882..4076, 3901..4287, 4074..4292		

Seq. No.	35550	Seq. ID	OJ990428_02.9A29.C44
Gene No.	73403	Strand	+
Start	124	End	4904
Name	OJ990428_02.9A29.C44.o2.tm	Method	TBLASTX:Maize
Start	4324	End	4705
GI	none	Score	196

Exons	4324..4467, 4324..4464, 4326..4469, 4549..4704, 4550..4705		
Seq. No.	35550	Seq. ID	OJ990428_02.9A29.C44
Gene No.	73403	Strand	+
Start	124	End	4904
Name	OJ990428_02.9A29.C44.o2.tc	Method	TBLASTX:Cress
Start	4348	End	4828
GI	none	Score	92
Exons	4348..4470, 4549..4650, 4553..4828, 4708..4815		
Seq. No.	35550	Seq. ID	OJ990428_02.9A29.C44
Gene No.	73403	Strand	+
Start	124	End	4904
Name	OJ990428_02.9A29.C44.o3.ts	Method	TBLASTX:Soybean
Start	4549	End	4828
GI	none	Score	264
Exons	4549..4674, 4553..4828, 4711..4800		
Seq. No.	35550	Seq. ID	OJ990428_02.9A29.C44
Gene No.	73403	Strand	+
Start	124	End	4904
Name	OJ990428_02.9A29.C44.o1.gp	Method	AAT/GAP
Start	4551	End	4904
GI	428937	Score	529
Exons	4551..4807, 4882..4904		
GI Descrip.	4469024/emb\|CAB38285\| 3.0e-30 (AL035602) putative protein [Arabidopsis thaliana]		
Seq. No.	35551	Seq. ID	OJ990728_05.9A27.C4
Gene No.	73404	Strand	-
Start	259	End	866
Name	OJ990728_05.9A27.C4.o1.gs	Method	GENSCAN
Start	259	End	866
GI	none	Score	.69
Exons	259..376, 751..866		
Seq. No.	35552	Seq. ID	OJ990728_05.9A27.C6
Gene No.	73405	Strand	+
Start	1	End	600
Name	OJ990728_05.9A27.C6.o1.np	Method	AAT/NAP
Start	1	End	579
GI	535454	Score	689
Exons	1..579		
GI Descrip.	(U13940) cysteine proteinase [Alnus glutinosa]		
Seq. No.	35552	Seq. ID	OJ990728_05.9A27.C6
Gene No.	73405	Strand	+
Start	1	End	600
Name	OJ990728_05.9A27.C6.o1.ts	Method	TBLASTX:Soybean
Start	1	End	578
GI	none	Score	108
Exons	1..96, 100..360, 144..344, 379..573, 390..578		
Seq. No.	35552	Seq. ID	OJ990728_05.9A27.C6
Gene No.	73405	Strand	+
Start	1	End	600
Name	OJ990728_05.9A27.C6.o1.tc	Method	TBLASTX:Cress

Start	1	End	576
GI	none	Score	127
Exons	1..105, 3..35, 97..360, 144..341, 352..576, 354..575		

Seq. No.	35552	Seq. ID	OJ990728_05.9A27.C6
Gene No.	73405	Strand	+
Start	1	End	600
Name	OJ990728_05.9A27.C6.o1.tw	Method	TBLASTX:Wheat
Start	1	End	513
GI	none	Score	95
Exons	1..99, 1..75, 97..342, 168..350, 346..432, 436..513, 444..500, 448..513		

Seq. No.	35552	Seq. ID	OJ990728_05.9A27.C6
Gene No.	73405	Strand	+
Start	1	End	600
Name	OJ990728_05.9A27.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	600
GI	none	Score	123
Exons	1..111, 112..345, 144..344, 325..432, 369..437, 442..573, 442..600		

Seq. No.	35552	Seq. ID	OJ990728_05.9A27.C6
Gene No.	73405	Strand	+
Start	1	End	600
Name	OJ990728_05.9A27.C6.o1.gs	Method	GENSCAN
Start	28	End	538
GI	none	Score	.91
Exons	28..538		

Seq. No.	35553	Seq. ID	OJ990728_05.9A27.C7
Gene No.	73406	Strand	-
Start	1	End	174
Name	OJ990728_05.9A27.C7.o1.np	Method	AAT/NAP
Start	1	End	174
GI	6907087	Score	87
Exons	1..174		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35554	Seq. ID	OJ990728_05.9A27.C8
Gene No.	73407	Strand	-
Start	4	End	709
Name	OJ990728_05.9A27.C8.o1.gs	Method	GENSCAN
Start	4	End	709
GI	none	Score	.8
Exons	4..101, 268..709		

Seq. No.	35555	Seq. ID	OJ990728_05.9A27.C10
Gene No.	73408	Strand	+
Start	1	End	216
Name	OJ990728_05.9A27.C10.o1.np	Method	AAT/NAP
Start	1	End	216
GI	6714341	Score	237
Exons	1..216		
GI Descrip.	(AC016162) putative GDSL-motif lipase/acylhydrolase [Arabidopsis		

thaliana]

Seq. No.	35555	Seq. ID	OJ990728_05.9A27.C10
Gene No.	73408	Strand	+
Start	1	End	216
Name	OJ990728_05.9A27.C10.o1.tc	Method	TBLASTX:Cress
Start	9	End	135
GI	none	Score	200
Exons	9..119, 10..135		

Seq. No.	35555	Seq. ID	OJ990728_05.9A27.C10
Gene No.	73408	Strand	+
Start	1	End	216
Name	OJ990728_05.9A27.C10.o1.ts	Method	TBLASTX:Soybean
Start	9	End	129
GI	none	Score	202
Exons	9..119, 10..129		

Seq. No.	35555	Seq. ID	OJ990728_05.9A27.C10
Gene No.	73408	Strand	+
Start	1	End	216
Name	OJ990728_05.9A27.C10.o1.tm	Method	TBLASTX:Maize
Start	9	End	135
GI	none	Score	104
Exons	9..128, 9..119, 10..135, 40..120		

Seq. No.	35555	Seq. ID	OJ990728_05.9A27.C10
Gene No.	73408	Strand	+
Start	1	End	216
Name	OJ990728_05.9A27.C10.o1.gs	Method	GENSCAN
Start	58	End	216
GI	none	Score	.81
Exons	58..216		

Seq. No.	35556	Seq. ID	OJ990728_05.9A27.C11
Gene No.	73409	Strand	-
Start	452	End	485
Name	OJ990728_05.9A27.C11.o1.gs	Method	GENSCAN
Start	452	End	485
GI	none	Score	.44
Exons	452..485		

Seq. No.	35557	Seq. ID	OJ990728_05.9A27.C12
Gene No.	73410	Strand	+
Start	905	End	3991
Name	OJ990728_05.9A27.C12.o1.gs	Method	GENSCAN
Start	905	End	3898
GI	none	Score	.64
Exons	905..1670, 1709..1737, 1963..3898		

Seq. No.	35557	Seq. ID	OJ990728_05.9A27.C12
Gene No.	73410	Strand	+
Start	905	End	3991
Name	OJ990728_05.9A27.C12.o1.gp	Method	AAT/GAP
Start	1180	End	1634
GI	95437_1.R1084	Score	766
Exons	1180..1634		

GI Descrip.	'4512226/dbj\|AB014738.1\|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		
Seq. No.	35557	Seq. ID	OJ990728_05.9A27.C12
Gene No.	73410	Strand	+
Start	905	End	3991
Name	OJ990728_05.9A27.C12.o1.np	Method	AAT/NAP
Start	1960	End	3991
GI	4680179	Score	1792
Exons	1960..3030, 3064..3991		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35557	Seq. ID	OJ990728_05.9A27.C12
Gene No.	73410	Strand	+
Start	905	End	3991
Name	OJ990728_05.9A27.C12.o4.tw	Method	TBLASTX:Wheat
Start	2185	End	2385
GI	none	Score	211
Exons	2185..2382, 2187..2384, 2293..2385		

Seq. No.	35557	Seq. ID	OJ990728_05.9A27.C12
Gene No.	73410	Strand	+
Start	905	End	3991
Name	OJ990728_05.9A27.C12.o2.tw	Method	TBLASTX:Wheat
Start	2418	End	2769
GI	none	Score	293
Exons	2418..2612, 2419..2769		

Seq. No.	35557	Seq. ID	OJ990728_05.9A27.C12
Gene No.	73410	Strand	+
Start	905	End	3991
Name	OJ990728_05.9A27.C12.o2.tm	Method	TBLASTX:Maize
Start	2419	End	2724
GI	none	Score	233
Exons	2419..2724, 2433..2549		

Seq. No.	35557	Seq. ID	OJ990728_05.9A27.C12
Gene No.	73410	Strand	+
Start	905	End	3991
Name	OJ990728_05.9A27.C12.o3.tm	Method	TBLASTX:Maize
Start	3055	End	3410
GI	none	Score	189
Exons	3055..3408, 3147..3224, 3318..3410		

Seq. No.	35557	Seq. ID	OJ990728_05.9A27.C12
Gene No.	73410	Strand	+
Start	905	End	3991
Name	OJ990728_05.9A27.C12.o3.tw	Method	TBLASTX:Wheat
Start	3091	End	3513
GI	none	Score	166
Exons	3091..3300, 3147..3299, 3345..3458, 3346..3513		

Seq. No.	35557	Seq. ID	OJ990728_05.9A27.C12
Gene No.	73410	Strand	+
Start	905	End	3991
Name	OJ990728_05.9A27.C12.o1.tw	Method	TBLASTX:Wheat

Start	3628	End	3990
GI	none	Score	43
Exons	3628..3678, 3636..3989, 3733..3990		

Seq. No.	35557	Seq. ID	OJ990728_05.9A27.C12
Gene No.	73410	Strand	+
Start	905	End	3991
Name	OJ990728_05.9A27.C12.o1.tm	Method	TBLASTX:Maize
Start	3639	End	3929
GI	none	Score	276
Exons	3639..3929, 3640..3927		

Seq. No.	35558	Seq. ID	OJ990728_05.9A27.C13
Gene No.	73411	Strand	+
Start	1	End	2003
Name	OJ990728_05.9A27.C13.o1.np	Method	AAT/NAP
Start	1	End	2000
GI	4680179	Score	2838
Exons	1..2000		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35558	Seq. ID	OJ990728_05.9A27.C13
Gene No.	73411	Strand	+
Start	1	End	2003
Name	OJ990728_05.9A27.C13.o3.tw	Method	TBLASTX:Wheat
Start	2	End	420
GI	none	Score	117
Exons	2..130, 31..129, 111..419, 112..420, 129..380, 130..420		

Seq. No.	35558	Seq. ID	OJ990728_05.9A27.C13
Gene No.	73411	Strand	+
Start	1	End	2003
Name	OJ990728_05.9A27.C13.o1.gs	Method	GENSCAN
Start	48	End	2003
GI	none	Score	.51
Exons	48..1463, 1601..2003		

Seq. No.	35558	Seq. ID	OJ990728_05.9A27.C13
Gene No.	73411	Strand	+
Start	1	End	2003
Name	OJ990728_05.9A27.C13.o2.tm	Method	TBLASTX:Maize
Start	70	End	423
GI	none	Score	61
Exons	70..129, 71..130, 130..381, 132..419, 133..423		

Seq. No.	35558	Seq. ID	OJ990728_05.9A27.C13
Gene No.	73411	Strand	+
Start	1	End	2003
Name	OJ990728_05.9A27.C13.o2.tw	Method	TBLASTX:Wheat
Start	423	End	990
GI	none	Score	649
Exons	423..986, 454..990, 526..990		

Seq. No.	35558	Seq. ID	OJ990728_05.9A27.C13
Gene No.	73411	Strand	+
Start	1	End	2003
Name	OJ990728_05.9A27.C13.o1.tc	Method	TBLASTX:Cress

Start	697	End	1014
GI	none	Score	90
Exons	697..870, 871..1014, 873..1013		

Seq. No.	35558	Seq. ID	OJ990728_05.9A27.C13
Gene No.	73411	Strand	+
Start	1	End	2003
Name	OJ990728_05.9A27.C13.o1.ts	Method	TBLASTX:Soybean
Start	778	End	1039
GI	none	Score	297
Exons	778..1038, 783..1037, 908..1039		

Seq. No.	35558	Seq. ID	OJ990728_05.9A27.C13
Gene No.	73411	Strand	+
Start	1	End	2003
Name	OJ990728_05.9A27.C13.o3.tm	Method	TBLASTX:Maize
Start	836	End	1128
GI	none	Score	101
Exons	836..1024, 837..1124, 838..1128		

Seq. No.	35558	Seq. ID	OJ990728_05.9A27.C13
Gene No.	73411	Strand	+
Start	1	End	2003
Name	OJ990728_05.9A27.C13.o1.tw	Method	TBLASTX:Wheat
Start	997	End	1622
GI	none	Score	533
Exons	997..1458, 1053..1463, 1466..1510, 1467..1622, 1470..1619		

Seq. No.	35558	Seq. ID	OJ990728_05.9A27.C13
Gene No.	73411	Strand	+
Start	1	End	2003
Name	OJ990728_05.9A27.C13.o1.tm	Method	TBLASTX:Maize
Start	1177	End	1775
GI	none	Score	231
Exons	1177..1338, 1185..1331, 1335..1460, 1336..1464, 1463..1759, 1464..1775		

Seq. No.	35558	Seq. ID	OJ990728_05.9A27.C13
Gene No.	73411	Strand	+
Start	1	End	2003
Name	OJ990728_05.9A27.C13.o4.tw	Method	TBLASTX:Wheat
Start	1622	End	1955
GI	none	Score	327
Exons	1622..1891, 1623..1955, 1626..1934		

Seq. No.	35559	Seq. ID	OJ990728_05.9A27.C14
Gene No.	73412	Strand	+
Start	1	End	651
Name	OJ990728_05.9A27.C14.o1.gs	Method	GENSCAN
Start	1	End	651
GI	none	Score	.7
Exons	1..103, 238..374, 592..651		

Seq. No.	35560	Seq. ID	OJ990728_05.9A27.C16
Gene No.	73413	Strand	+
Start	549	End	1063
Name	OJ990728_05.9A27.C16.o1.gs	Method	GENSCAN

Start	549	End	1063
GI	none	Score	.59
Exons	549..680, 846..1063		

Seq. No.	35561	Seq. ID	OJ990728_05.9A27.C17
Gene No.	73414	Strand	-
Start	1757	End	2888
Name	OJ990728_05.9A27.C17.o1.gs	Method	GENSCAN
Start	1757	End	2888
GI	none	Score	.91
Exons	1757..1883, 2824..2888		

Seq. No.	35561	Seq. ID	OJ990728_05.9A27.C17
Gene No.	73415	Strand	-
Start	3990	End	4063
Name	OJ990728_05.9A27.C17.o1.gp	Method	AAT/GAP
Start	3990	End	4063
GI	38012_1.R1084	Score	88
Exons	3990..4063		
GI Descrip.	'4097947/gb\|U72255\|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	35562	Seq. ID	OJ990728_05.9A27.C18
Gene No.	73416	Strand	+
Start	128	End	307
Name	OJ990728_05.9A27.C18.o1.gs	Method	GENSCAN
Start	128	End	307
GI	none	Score	.93
Exons	128..307		

Seq. No.	35563	Seq. ID	OJ990728_05.9A27.C19
Gene No.	73417	Strand	+
Start	63	End	188
Name	OJ990728_05.9A27.C19.o1.gs	Method	GENSCAN
Start	63	End	188
GI	none	Score	1
Exons	63..188		

Seq. No.	35564	Seq. ID	OJ990728_05.9A27.C21
Gene No.	73418	Strand	-
Start	1	End	479
Name	OJ990728_05.9A27.C21.o1.np	Method	AAT/NAP
Start	1	End	479
GI	6721517	Score	706
Exons	1..479		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	35564	Seq. ID	OJ990728_05.9A27.C21
Gene No.	73418	Strand	-
Start	1	End	479
Name	OJ990728_05.9A27.C21.o1.tm	Method	TBLASTX:Maize
Start	21	End	374
GI	none	Score	158
Exons	21..374, 24..371, 73..372		

Seq. No.	35564	Seq. ID	OJ990728_05.9A27.C21
Gene No.	73418	Strand	-

Start	1	End	479
Name	OJ990728_05.9A27.C21.o1.tw	Method	TBLASTX:Wheat
Start	21	End	447
GI	none	Score	216
Exons	21..446, 36..383, 58..447		

Seq. No.	35564	Seq. ID	OJ990728_05.9A27.C21
Gene No.	73418	Strand	-
Start	1	End	479
Name	OJ990728_05.9A27.C21.o1.gs	Method	GENSCAN
Start	59	End	382
GI	none	Score	.47
Exons	59..382		

Seq. No.	35564	Seq. ID	OJ990728_05.9A27.C21
Gene No.	73418	Strand	-
Start	1	End	479
Name	OJ990728_05.9A27.C21.o1.ts	Method	TBLASTX:Soybean
Start	195	End	440
GI	none	Score	201
Exons	195..440		

Seq. No.	35565	Seq. ID	OJ990728_05.9A27.C22
Gene No.	73419	Strand	-
Start	1	End	2018
Name	OJ990728_05.9A27.C22.o1.np	Method	AAT/NAP
Start	1	End	1847
GI	4680179	Score	820
Exons	1..685, 788..1847		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35565	Seq. ID	OJ990728_05.9A27.C22
Gene No.	73419	Strand	-
Start	1	End	2018
Name	OJ990728_05.9A27.C22.o1.tw	Method	TBLASTX:Wheat
Start	252	End	651
GI	none	Score	82
Exons	252..416, 265..420, 429..650, 496..651		

Seq. No.	35565	Seq. ID	OJ990728_05.9A27.C22
Gene No.	73419	Strand	-
Start	1	End	2018
Name	OJ990728_05.9A27.C22.o1.tm	Method	TBLASTX:Maize
Start	331	End	657
GI	none	Score	44
Exons	331..414, 333..656, 516..650, 544..657		

Seq. No.	35565	Seq. ID	OJ990728_05.9A27.C22
Gene No.	73419	Strand	-
Start	1	End	2018
Name	OJ990728_05.9A27.C22.o1.gs	Method	GENSCAN
Start	1278	End	2018
GI	none	Score	.91
Exons	1278..2018		

Seq. No.	35565	Seq. ID	OJ990728_05.9A27.C22
Gene No.	73419	Strand	-

Start	1	End	2018
Name	OJ990728_05.9A27.C22.o2.tw	Method	TBLASTX:Wheat
Start	1284	End	1628
GI	none	Score	53
Exons	1284..1628, 1510..1581		

Seq. No.	35566	Seq. ID	OJ990728_05.9A27.C23
Gene No.	73420	Strand	+
Start	1672	End	2758
Name	OJ990728_05.9A27.C23.o2.np	Method	AAT/NAP
Start	1672	End	2758
GI	6907088	Score	619
Exons	1672..1809, 1985..2222, 2716..2758		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	35566	Seq. ID	OJ990728_05.9A27.C23
Gene No.	73420	Strand	+
Start	1672	End	2758
Name	OJ990728_05.9A27.C23.o1.gp	Method	AAT/GAP
Start	2483	End	2674
GI	5667165	Score	364
Exons	2483..2674		
GI Descrip.	5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	35566	Seq. ID	OJ990728_05.9A27.C23
Gene No.	73421	Strand	-
Start	1	End	537
Name	OJ990728_05.9A27.C23.o1.np	Method	AAT/NAP
Start	1	End	537
GI	6002794	Score	826
Exons	1..537		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	35566	Seq. ID	OJ990728_05.9A27.C23
Gene No.	73422	Strand	-
Start	1118	End	1608
Name	OJ990728_05.9A27.C23.o2.gs	Method	GENSCAN
Start	1118	End	1608
GI	none	Score	.91
Exons	1118..1191, 1599..1608		

Seq. No.	35567	Seq. ID	OJ990728_05.9A27.C24
Gene No.	73423	Strand	-
Start	600	End	1970
Name	OJ990728_05.9A27.C24.o1.np	Method	AAT/NAP
Start	600	End	1970
GI	4680179	Score	1741
Exons	600..1970		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35567	Seq. ID	OJ990728_05.9A27.C24
Gene No.	73423	Strand	-
Start	600	End	1970
Name	OJ990728_05.9A27.C24.o1.gs	Method	GENSCAN
Start	629	End	1891
GI	none	Score	.87

Exons	629..1891		
Seq. No.	35567	Seq. ID	OJ990728_05.9A27.C24
Gene No.	73423	Strand	-
Start	600	End	1970
Name	OJ990728_05.9A27.C24.o3.tw	Method	TBLASTX:Wheat
Start	644	End	976
GI	none	Score	94
Exons	644..976, 665..802, 696..881, 869..937, 871..969		
Seq. No.	35567	Seq. ID	OJ990728_05.9A27.C24
Gene No.	73423	Strand	-
Start	600	End	1970
Name	OJ990728_05.9A27.C24.o3.tm	Method	TBLASTX:Maize
Start	659	End	817
GI	none	Score	59
Exons	659..817, 708..785		
Seq. No.	35567	Seq. ID	OJ990728_05.9A27.C24
Gene No.	73423	Strand	-
Start	600	End	1970
Name	OJ990728_05.9A27.C24.o1.tm	Method	TBLASTX:Maize
Start	827	End	1420
GI	none	Score	65
Exons	827..922, 827..1264, 837..1046, 1028..1144, 1083..1265, 1122..1265, 1262..1420, 1269..1415		
Seq. No.	35567	Seq. ID	OJ990728_05.9A27.C24
Gene No.	73423	Strand	-
Start	600	End	1970
Name	OJ990728_05.9A27.C24.o1.tw	Method	TBLASTX:Wheat
Start	977	End	1603
GI	none	Score	250
Exons	977..1603, 1101..1508		
Seq. No.	35567	Seq. ID	OJ990728_05.9A27.C24
Gene No.	73423	Strand	-
Start	600	End	1970
Name	OJ990728_05.9A27.C24.o2.tm	Method	TBLASTX:Maize
Start	1472	End	1762
GI	none	Score	53
Exons	1472..1762, 1476..1520, 1572..1751		
Seq. No.	35567	Seq. ID	OJ990728_05.9A27.C24
Gene No.	73423	Strand	-
Start	600	End	1970
Name	OJ990728_05.9A27.C24.o1.ts	Method	TBLASTX:Soybean
Start	1562	End	1817
GI	none	Score	74
Exons	1562..1690, 1562..1810, 1572..1817		
Seq. No.	35567	Seq. ID	OJ990728_05.9A27.C24
Gene No.	73423	Strand	-
Start	600	End	1970
Name	OJ990728_05.9A27.C24.o1.tc	Method	TBLASTX:Cress
Start	1586	End	1903
GI	none	Score	101

Exons	1586..1729, 1602..1727, 1730..1903, 1784..1882		
Seq. No.	35567	Seq. ID	OJ990728_05.9A27.C24
Gene No.	73423	Strand	-
Start	600	End	1970
Name	OJ990728_05.9A27.C24.o2.tw	Method	TBLASTX:Wheat
Start	1610	End	1969
GI	none	Score	255
Exons	1610..1969, 1614..1961		
Seq. No.	35568	Seq. ID	OJ990728_05.9A27.C25
Gene No.	73424	Strand	+
Start	1	End	314
Name	OJ990728_05.9A27.C25.o1.np	Method	AAT/NAP
Start	1	End	289
GI	4680186	Score	192
Exons	1..289		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	35568	Seq. ID	OJ990728_05.9A27.C25
Gene No.	73424	Strand	+
Start	1	End	314
Name	OJ990728_05.9A27.C25.o1.gs	Method	GENSCAN
Start	178	End	314
GI	none	Score	.62
Exons	178..314		
Seq. No.	35568	Seq. ID	OJ990728_05.9A27.C25
Gene No.	73425	Strand	-
Start	1	End	218
Name	OJ990728_05.9A27.C25.o1.gp	Method	AAT/GAP
Start	1	End	218
GI	uC-osflcyp033a04b1	Score	351
Exons	1..218		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	35569	Seq. ID	OJ990728_05.9A27.C26
Gene No.	73426	Strand	-
Start	246	End	5200
Name	OJ990728_05.9A27.C26.o3.ts	Method	TBLASTX:Soybean
Start	240	End	485
GI	none	Score	47
Exons	240..485, 244..279, 355..441		
Seq. No.	35569	Seq. ID	OJ990728_05.9A27.C26
Gene No.	73426	Strand	-
Start	246	End	5200
Name	OJ990728_05.9A27.C26.o1.np	Method	AAT/NAP
Start	246	End	5200
GI	4206306	Score	1300
Exons	246..1599, 1792..3674, 5171..5200		
GI Descrip.	(AF049110) prpol [Zea mays]		
Seq. No.	35569	Seq. ID	OJ990728_05.9A27.C26
Gene No.	73426	Strand	-
Start	246	End	5200

Name	OJ990728_05.9A27.C26.o2.tw	Method	TBLASTX:Wheat
Start	261	End	2240
GI	none	Score	53
Exons	261..677, 2148..2240		

Seq. No.	35569	Seq. ID	OJ990728_05.9A27.C26
Gene No.	73426	Strand	-
Start	246	End	5200
Name	OJ990728_05.9A27.C26.o1.gs	Method	GENSCAN
Start	383	End	5067
GI	none	Score	.61
Exons	383..1194, 1368..1563, 1584..1699, 2461..2728, 2768..3034, 3531..3812, 4265..5067		

Seq. No.	35569	Seq. ID	OJ990728_05.9A27.C26
Gene No.	73426	Strand	-
Start	246	End	5200
Name	OJ990728_05.9A27.C26.o4.tw	Method	TBLASTX:Wheat
Start	708	End	1067
GI	none	Score	172
Exons	708..1067		

Seq. No.	35569	Seq. ID	OJ990728_05.9A27.C26
Gene No.	73426	Strand	-
Start	246	End	5200
Name	OJ990728_05.9A27.C26.o5.ts	Method	TBLASTX:Soybean
Start	828	End	1223
GI	none	Score	86
Exons	828..1223, 946..1122, 1008..1196		

Seq. No.	35569	Seq. ID	OJ990728_05.9A27.C26
Gene No.	73426	Strand	-
Start	246	End	5200
Name	OJ990728_05.9A27.C26.o3.tm	Method	TBLASTX:Maize
Start	1059	End	1382
GI	none	Score	182
Exons	1059..1382		

Seq. No.	35569	Seq. ID	OJ990728_05.9A27.C26
Gene No.	73426	Strand	-
Start	246	End	5200
Name	OJ990728_05.9A27.C26.o1.ts	Method	TBLASTX:Soybean
Start	1933	End	2356
GI	none	Score	81
Exons	1933..2181, 1943..2056, 2096..2182, 2212..2355, 2222..2356		

Seq. No.	35569	Seq. ID	OJ990728_05.9A27.C26
Gene No.	73426	Strand	-
Start	246	End	5200
Name	OJ990728_05.9A27.C26.o2.ts	Method	TBLASTX:Soybean
Start	2508	End	2975
GI	none	Score	60
Exons	2508..2693, 2536..2655, 2683..2940, 2694..2975		

Seq. No.	35569	Seq. ID	OJ990728_05.9A27.C26
Gene No.	73426	Strand	-
Start	246	End	5200

Name	OJ990728_05.9A27.C26.o3.tw	Method	TBLASTX:Wheat
Start	2604	End	2972
GI	none	Score	190
Exons	2604..2693, 2670..2972		

Seq. No.	35569	Seq. ID	OJ990728_05.9A27.C26
Gene No.	73426	Strand	-
Start	246	End	5200
Name	OJ990728_05.9A27.C26.o1.tm	Method	TBLASTX:Maize
Start	2661	End	3119
GI	none	Score	342
Exons	2661..3119, 2662..3003, 3058..3117		

Seq. No.	35569	Seq. ID	OJ990728_05.9A27.C26
Gene No.	73426	Strand	-
Start	246	End	5200
Name	OJ990728_05.9A27.C26.o1.tw	Method	TBLASTX:Wheat
Start	2990	End	3399
GI	none	Score	76
Exons	2990..3094, 2991..3119, 3058..3117, 3118..3399, 3119..3382		

Seq. No.	35569	Seq. ID	OJ990728_05.9A27.C26
Gene No.	73426	Strand	-
Start	246	End	5200
Name	OJ990728_05.9A27.C26.o2.tm	Method	TBLASTX:Maize
Start	3121	End	3339
GI	none	Score	95
Exons	3121..3270, 3121..3339, 3122..3337		

Seq. No.	35569	Seq. ID	OJ990728_05.9A27.C26
Gene No.	73426	Strand	-
Start	246	End	5200
Name	OJ990728_05.9A27.C26.o4.ts	Method	TBLASTX:Soybean
Start	3193	End	3561
GI	none	Score	149
Exons	3193..3327, 3343..3561		

Seq. No.	35570	Seq. ID	OJ990728_05.9A27.C27
Gene No.	73427	Strand	-
Start	577	End	649
Name	OJ990728_05.9A27.C27.o1.gs	Method	GENSCAN
Start	577	End	649
GI	none	Score	.68
Exons	577..649		

Seq. No.	35571	Seq. ID	OJ990728_05.9A27.C29
Gene No.	73428	Strand	+
Start	346	End	1118
Name	OJ990728_05.9A27.C29.o1.gs	Method	GENSCAN
Start	346	End	1118
GI	none	Score	.65
Exons	346..437, 999..1118		

Seq. No.	35571	Seq. ID	OJ990728_05.9A27.C29
Gene No.	73429	Strand	+
Start	1520	End	1887
Name	OJ990728_05.9A27.C29.o1.gp	Method	AAT/GAP

Start	1520	End	1887
GI	uC-osflcyp033a04b1	Score	565
Exons	1520..1887		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35571	Seq. ID	OJ990728_05.9A27.C29
Gene No.	73430	Strand	-
Start	248	End	1823
Name	OJ990728_05.9A27.C29.o1.np	Method	AAT/NAP
Start	248	End	1823
GI	5852180	Score	494
Exons	248..595, 647..763, 1753..1823		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	35572	Seq. ID	OJ990728_05.9A27.C30
Gene No.	73431	Strand	+
Start	1	End	2813
Name	OJ990728_05.9A27.C30.o1.np	Method	AAT/NAP
Start	1	End	2813
GI	5852180	Score	499
Exons	1..41, 1237..1295, 2276..2394, 2446..2813		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	35572	Seq. ID	OJ990728_05.9A27.C30
Gene No.	73432	Strand	-
Start	1144	End	1525
Name	OJ990728_05.9A27.C30.o1.gp	Method	AAT/GAP
Start	1144	End	1525
GI	uC-osflcyp033a04b1	Score	683
Exons	1144..1525		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35572	Seq. ID	OJ990728_05.9A27.C30
Gene No.	73433	Strand	-
Start	1955	End	2532
Name	OJ990728_05.9A27.C30.o2.gs	Method	GENSCAN
Start	1955	End	2532
GI	none	Score	.77
Exons	1955..2040, 2439..2532		

Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73434	Strand	+
Start	1	End	11255
Name	OJ990728_05.9A27.C31.o1.np	Method	AAT/NAP
Start	1	End	7098
GI	4680183	Score	409
Exons	1..35, 4614..5162, 6559..7098		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73434	Strand	+
Start	1	End	11255
Name	OJ990728_05.9A27.C31.o1.gs	Method	GENSCAN
Start	1140	End	1366
GI	none	Score	.92

Exons	1140..1366		
Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73434	Strand	+
Start	1	End	11255
Name	OJ990728_05.9A27.C31.o3.gs	Method	GENSCAN
Start	4141	End	11255
GI	none	Score	.62
Exons	4141..4250, 4300..4721, 4809..5116, 5282..5438, 5686..5754, 6004..6048, 6522..6682, 6688..7059, 7284..7476, 8431..8549, 9297..9380, 10360..10748, 10838..11255		
Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73434	Strand	+
Start	1	End	11255
Name	OJ990728_05.9A27.C31.o2.np	Method	AAT/NAP
Start	10528	End	11197
GI	1628482	Score	202
Exons	10528..10786, 10816..11197		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		
Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73435	Strand	+
Start	14312	End	14390
Name	OJ990728_05.9A27.C31.o3.np	Method	AAT/NAP
Start	14312	End	14390
GI	5852084	Score	74
Exons	14312..14390		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		
Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73436	Strand	+
Start	27498	End	29797
Name	OJ990728_05.9A27.C31.o6.gs	Method	GENSCAN
Start	27498	End	29797
GI	none	Score	.44
Exons	27498..27512, 29074..29294, 29341..29797		
Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73437	Strand	+
Start	33439	End	36111
Name	OJ990728_05.9A27.C31.o8.gs	Method	GENSCAN
Start	33439	End	36111
GI	none	Score	.89
Exons	33439..33481, 33490..33670, 33987..34193, 34233..34584, 34616..34830, 35406..36111		
Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73438	Strand	-
Start	2637	End	3137
Name	OJ990728_05.9A27.C31.o2.gs	Method	GENSCAN
Start	2637	End	3137
GI	none	Score	.77
Exons	2637..2821, 2933..3137		
Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73439	Strand	-

Start	14116	End	22707
Name	OJ990728_05.9A27.C31.o4.gs	Method	GENSCAN
Start	14116	End	22707
GI	none	Score	.64
Exons	14116..14214, 15385..15436, 15997..16088, 16700..16771, 16926..17004, 17500..17681, 18711..18855, 19399..19512, 19849..19950, 19994..20212, 22385..22707		

Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73440	Strand	-
Start	30233	End	31556
Name	OJ990728_05.9A27.C31.o4.np	Method	AAT/NAP
Start	30233	End	31556
GI	4680179	Score	2025
Exons	30233..31556		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73441	Strand	-
Start	32263	End	32647
Name	OJ990728_05.9A27.C31.o1.gp	Method	AAT/GAP
Start	32263	End	32647
GI	uC-osflcyp033a04b1	Score	616
Exons	32263..32647		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73442	Strand	-
Start	33108	End	36441
Name	OJ990728_05.9A27.C31.o5.np	Method	AAT/NAP
Start	33108	End	36256
GI	6907087	Score	1063
Exons	33108..33209, 33761..34075, 34120..34441, 34645..34946, 36176..36256		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73442	Strand	-
Start	33108	End	36441
Name	OJ990728_05.9A27.C31.o6.np	Method	AAT/NAP
Start	33201	End	36441
GI	5852180	Score	603
Exons	33201..33291, 34871..34987, 35688..35742, 35907..36264, 36317..36441		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73442	Strand	-
Start	33108	End	36441
Name	OJ990728_05.9A27.C31.o7.np	Method	AAT/NAP
Start	35638	End	36238
GI	4680185	Score	321
Exons	35638..35826, 35991..36238		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73443	Strand	-
Start	37124	End	37346
Name	OJ990728_05.9A27.C31.o4.tm	Method	TBLASTX:Maize
Start	2643	End	3017
GI	none	Score	67
Exons	2643..2726, 2722..2838, 2724..2837, 2926..3015, 2934..3017		

Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73443	Strand	-
Start	37124	End	37346
Name	OJ990728_05.9A27.C31.o4.tw	Method	TBLASTX:Wheat
Start	6721	End	7095
GI	none	Score	198
Exons	6721..7095		

Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73443	Strand	-
Start	37124	End	37346
Name	OJ990728_05.9A27.C31.o6.tw	Method	TBLASTX:Wheat
Start	10561	End	10910
GI	none	Score	141
Exons	10561..10749, 10623..10682, 10672..10767, 10821..10910		

Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73443	Strand	-
Start	37124	End	37346
Name	OJ990728_05.9A27.C31.o3.tm	Method	TBLASTX:Maize
Start	10564	End	10991
GI	none	Score	122
Exons	10564..10695, 10581..10682, 10690..10749, 10815..10991		

Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73443	Strand	-
Start	37124	End	37346
Name	OJ990728_05.9A27.C31.o5.tw	Method	TBLASTX:Wheat
Start	16387	End	16740
GI	none	Score	193
Exons	16387..16740		

Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73443	Strand	-
Start	37124	End	37346
Name	OJ990728_05.9A27.C31.o3.tw	Method	TBLASTX:Wheat
Start	30278	End	30611
GI	none	Score	118
Exons	30278..30610, 30330..30611		

Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73443	Strand	-
Start	37124	End	37346
Name	OJ990728_05.9A27.C31.o1.tm	Method	TBLASTX:Maize
Start	30473	End	31058
GI	none	Score	104
Exons	30473..30898, 30474..30671, 30494..30739, 30735..30899, 30894..31043, 30896..31057, 30903..31058		

Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73443	Strand	-
Start	37124	End	37346
Name	OJ990728_05.9A27.C31.o1.tw	Method	TBLASTX:Wheat
Start	30611	End	31237
GI	none	Score	44
Exons	30611..31237, 30612..30671, 30732..31178, 30890..31234		

Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73443	Strand	-
Start	37124	End	37346
Name	OJ990728_05.9A27.C31.o2.tm	Method	TBLASTX:Maize
Start	31106	End	31398
GI	none	Score	306
Exons	31106..31396, 31110..31397, 31111..31398, 31297..31398		

Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73443	Strand	-
Start	37124	End	37346
Name	OJ990728_05.9A27.C31.o1.ts	Method	TBLASTX:Soybean
Start	31196	End	31456
GI	none	Score	186
Exons	31196..31456, 31197..31445		

Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73443	Strand	-
Start	37124	End	37346
Name	OJ990728_05.9A27.C31.o2.tw	Method	TBLASTX:Wheat
Start	31244	End	31573
GI	none	Score	253
Exons	31244..31573, 31248..31499		

Seq. No.	35573	Seq. ID	OJ990728_05.9A27.C31
Gene No.	73443	Strand	-
Start	37124	End	37346
Name	OJ990728_05.9A27.C31.o8.np	Method	AAT/NAP
Start	37124	End	37346
GI	4680186	Score	146
Exons	37124..37346		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35574	Seq. ID	OJ990728_05.9A27.C32
Gene No.	73444	Strand	+
Start	350	End	11581
Name	OJ990728_05.9A27.C32.o2.np	Method	AAT/NAP
Start	350	End	11581
GI	5852180	Score	623
Exons	350..372, 5834..5887, 6882..6999, 7051..7355, 7520..7625, 8329..8369, 11548..11581		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	35574	Seq. ID	OJ990728_05.9A27.C32
Gene No.	73445	Strand	-
Start	2820	End	11581
Name	OJ990728_05.9A27.C32.o1.gs	Method	GENSCAN
Start	2820	End	11069

GI	none	Score	.63
Exons	2820..2975, 3084..4487, 4781..4912, 6904..7075, 7206..7908, 10976..11069		

Seq. No.	35574	Seq. ID	OJ990728_05.9A27.C32
Gene No.	73445	Strand	-
Start	2820	End	11581
Name	OJ990728_05.9A27.C32.o1.np	Method	AAT/NAP
Start	3118	End	11581
GI	161752	Score	126
Exons	3118..3239, 3507..3585, 3725..3806, 3840..3923, 4140..4198, 9875..9918, 11560..11581		
GI Descrip.	(L03710) cnjB [Tetrahymena thermophila] gi\|737494\|prf\|\|1922371A cnjB gene [Tetrahymena thermophila]		

Seq. No.	35574	Seq. ID	OJ990728_05.9A27.C32
Gene No.	73445	Strand	-
Start	2820	End	11581
Name	OJ990728_05.9A27.C32.o2.gp	Method	AAT/GAP
Start	6524	End	7634
GI	2428924	Score	525
Exons	6524..6644, 7206..7379, 7544..7634		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	35574	Seq. ID	OJ990728_05.9A27.C32
Gene No.	73445	Strand	-
Start	2820	End	11581
Name	OJ990728_05.9A27.C32.o3.gp	Method	AAT/GAP
Start	10641	End	11025
GI	uC-osflcyp033a04b1	Score	608
Exons	10641..11025		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35575	Seq. ID	OJ990728_05.9A27.C33
Gene No.	73446	Strand	+
Start	252	End	1073
Name	OJ990728_05.9A27.C33.o1.gs	Method	GENSCAN
Start	252	End	1073
GI	none	Score	.81
Exons	252..1073		

Seq. No.	35575	Seq. ID	OJ990728_05.9A27.C33
Gene No.	73446	Strand	+
Start	252	End	1073
Name	OJ990728_05.9A27.C33.o1.np	Method	AAT/NAP
Start	262	End	1052
GI	4544372	Score	382
Exons	262..1052		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	35575	Seq. ID	OJ990728_05.9A27.C33
Gene No.	73447	Strand	-
Start	1358	End	2706
Name	OJ990728_05.9A27.C33.o1.tw	Method	TBLASTX:Wheat

Start	630	End	1037
GI	none	Score	223
Exons	630..1037, 830..1003		

Seq. No.	35575	Seq. ID	OJ990728_05.9A27.C33
Gene No.	73447	Strand	-
Start	1358	End	2706
Name	OJ990728_05.9A27.C33.o1.ts	Method	TBLASTX:Soybean
Start	813	End	1063
GI	none	Score	237
Exons	813..1052, 815..952, 1022..1063		

Seq. No.	35575	Seq. ID	OJ990728_05.9A27.C33
Gene No.	73447	Strand	-
Start	1358	End	2706
Name	OJ990728_05.9A27.C33.o2.gs	Method	GENSCAN
Start	1358	End	2706
GI	none	Score	.98
Exons	1358..2038, 2117..2200, 2433..2706		

Seq. No.	35576	Seq. ID	OJ990728_05.9A27.C34
Gene No.	73448	Strand	-
Start	1454	End	1939
Name	OJ990728_05.9A27.C34.o2.tm	Method	TBLASTX:Maize
Start	13	End	393
GI	none	Score	35
Exons	13..45, 15..56, 105..194, 114..209, 116..208, 198..281, 199..264, 289..354, 322..393, 350..385		

Seq. No.	35576	Seq. ID	OJ990728_05.9A27.C34
Gene No.	73448	Strand	-
Start	1454	End	1939
Name	OJ990728_05.9A27.C34.o1.np	Method	AAT/NAP
Start	1454	End	1939
GI	6503305	Score	430
Exons	1454..1939		
GI Descrip.	(AC011713) Contains similarity to gb\|U19615 LET 858 gene from Caenorhabditis elegans. ESTs gb\|AI995150, gb\|H76674 and gb\|R84035 come from this gene. [Arabidopsis thaliana]		

Seq. No.	35576	Seq. ID	OJ990728_05.9A27.C34
Gene No.	73448	Strand	-
Start	1454	End	1939
Name	OJ990728_05.9A27.C34.o1.ts	Method	TBLASTX:Soybean
Start	1562	End	1939
GI	none	Score	40
Exons	1562..1582, 1619..1939, 1620..1937		

Seq. No.	35576	Seq. ID	OJ990728_05.9A27.C34
Gene No.	73448	Strand	-
Start	1454	End	1939
Name	OJ990728_05.9A27.C34.o1.tm	Method	TBLASTX:Maize
Start	1647	End	1939
GI	none	Score	257
Exons	1647..1922, 1662..1937, 1667..1939		

Seq. No.	35576	Seq. ID	OJ990728_05.9A27.C34

Gene No.	73448	Strand	-
Start	1454	End	1939
Name	OJ990728_05.9A27.C34.o1.tc	Method	TBLASTX:Cress
Start	1661	End	1900
GI	none	Score	48
Exons	1661..1900, 1662..1718, 1773..1898		

Seq. No.	35577	Seq. ID	OJ990728_05.9A27.C36
Gene No.	73449	Strand	+
Start	350	End	4564
Name	OJ990728_05.9A27.C36.o1.np	Method	AAT/NAP
Start	350	End	1138
GI	4512231	Score	1253
Exons	350..1138		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	35577	Seq. ID	OJ990728_05.9A27.C36
Gene No.	73449	Strand	+
Start	350	End	4564
Name	OJ990728_05.9A27.C36.o2.np	Method	AAT/NAP
Start	820	End	4564
GI	4680179	Score	3588
Exons	820..865, 1409..2398, 2426..4564		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35577	Seq. ID	OJ990728_05.9A27.C36
Gene No.	73449	Strand	+
Start	350	End	4564
Name	OJ990728_05.9A27.C36.o6.tw	Method	TBLASTX:Wheat
Start	1570	End	1768
GI	none	Score	215
Exons	1570..1767, 1571..1768		

Seq. No.	35577	Seq. ID	OJ990728_05.9A27.C36
Gene No.	73449	Strand	+
Start	350	End	4564
Name	OJ990728_05.9A27.C36.o4.tw	Method	TBLASTX:Wheat
Start	1819	End	2170
GI	none	Score	312
Exons	1819..1992, 1820..2170, 1968..2036		

Seq. No.	35577	Seq. ID	OJ990728_05.9A27.C36
Gene No.	73449	Strand	+
Start	350	End	4564
Name	OJ990728_05.9A27.C36.o4.tm	Method	TBLASTX:Maize
Start	1820	End	2125
GI	none	Score	246
Exons	1820..2125, 1846..1926, 1899..1976		

Seq. No.	35577	Seq. ID	OJ990728_05.9A27.C36
Gene No.	73449	Strand	+
Start	350	End	4564
Name	OJ990728_05.9A27.C36.o5.tw	Method	TBLASTX:Wheat
Start	2504	End	2857
GI	none	Score	253
Exons	2504..2857		

Seq. No.	35577	Seq. ID	OJ990728_05.9A27.C36
Gene No.	73449	Strand	+
Start	350	End	4564
Name	OJ990728_05.9A27.C36.o5.tm	Method	TBLASTX:Maize
Start	2861	End	3054
GI	none	Score	188
Exons	2861..3052, 2899..3054		

Seq. No.	35577	Seq. ID	OJ990728_05.9A27.C36
Gene No.	73449	Strand	+
Start	350	End	4564
Name	OJ990728_05.9A27.C36.o2.tw	Method	TBLASTX:Wheat
Start	2989	End	3472
GI	none	Score	522
Exons	2989..3429, 2990..3472, 2993..3469		

Seq. No.	35577	Seq. ID	OJ990728_05.9A27.C36
Gene No.	73449	Strand	+
Start	350	End	4564
Name	OJ990728_05.9A27.C36.o3.ts	Method	TBLASTX:Soybean
Start	3026	End	3331
GI	none	Score	190
Exons	3026..3331		

Seq. No.	35577	Seq. ID	OJ990728_05.9A27.C36
Gene No.	73449	Strand	+
Start	350	End	4564
Name	OJ990728_05.9A27.C36.o2.tm	Method	TBLASTX:Maize
Start	3055	End	3502
GI	none	Score	358
Exons	3055..3297, 3059..3502		

Seq. No.	35577	Seq. ID	OJ990728_05.9A27.C36
Gene No.	73449	Strand	+
Start	350	End	4564
Name	OJ990728_05.9A27.C36.o1.ts	Method	TBLASTX:Soybean
Start	3413	End	3808
GI	none	Score	57
Exons	3413..3445, 3413..3445, 3449..3502, 3451..3492, 3557..3808, 3565..3798		

Seq. No.	35577	Seq. ID	OJ990728_05.9A27.C36
Gene No.	73449	Strand	+
Start	350	End	4564
Name	OJ990728_05.9A27.C36.o3.tm	Method	TBLASTX:Maize
Start	3557	End	3889
GI	none	Score	306
Exons	3557..3889, 3610..3888		

Seq. No.	35577	Seq. ID	OJ990728_05.9A27.C36
Gene No.	73449	Strand	+
Start	350	End	4564
Name	OJ990728_05.9A27.C36.o3.tw	Method	TBLASTX:Wheat
Start	3560	End	3823
GI	none	Score	373
Exons	3560..3823, 3562..3822		

Seq. No.	35577	Seq. ID	OJ990728_05.9A27.C36
Gene No.	73449	Strand	+
Start	350	End	4564
Name	OJ990728_05.9A27.C36.o1.tw	Method	TBLASTX:Wheat
Start	3824	End	4249
GI	none	Score	603
Exons	3824..4249, 3826..4242, 3899..4249		

Seq. No.	35577	Seq. ID	OJ990728_05.9A27.C36
Gene No.	73449	Strand	+
Start	350	End	4564
Name	OJ990728_05.9A27.C36.o2.ts	Method	TBLASTX:Soybean
Start	3833	End	4078
GI	none	Score	204
Exons	3833..4078		

Seq. No.	35577	Seq. ID	OJ990728_05.9A27.C36
Gene No.	73449	Strand	+
Start	350	End	4564
Name	OJ990728_05.9A27.C36.o1.tm	Method	TBLASTX:Maize
Start	3896	End	4249
GI	none	Score	463
Exons	3896..4249, 3901..4242		

Seq. No.	35577	Seq. ID	OJ990728_05.9A27.C36
Gene No.	73449	Strand	+
Start	350	End	4564
Name	OJ990728_05.9A27.C36.o7.tw	Method	TBLASTX:Wheat
Start	4277	End	4507
GI	none	Score	192
Exons	4277..4507		

Seq. No.	35578	Seq. ID	OJ990728_05.9A27.C37
Gene No.	73450	Strand	+
Start	419	End	452
Name	OJ990728_05.9A27.C37.o1.gs	Method	GENSCAN
Start	419	End	452
GI	none	Score	.4
Exons	419..452		

Seq. No.	35579	Seq. ID	OJ990728_05.9A27.C38
Gene No.	73451	Strand	-
Start	374	End	532
Name	OJ990728_05.9A27.C38.o1.gs	Method	GENSCAN
Start	374	End	532
GI	none	Score	.47
Exons	374..532		

Seq. No.	35580	Seq. ID	OJ990728_05.9A27.C39
Gene No.	73452	Strand	-
Start	108	End	280
Name	OJ990728_05.9A27.C39.o1.gs	Method	GENSCAN
Start	108	End	280
GI	none	Score	.77
Exons	108..280		

Seq. No.	35581	Seq. ID	OJ990728_05.9A27.C40

Gene No.	73453	Strand	-
Start	255	End	321
Name	OJ990728_05.9A27.C40.o1.gs	Method	GENSCAN
Start	255	End	321
GI	none	Score	.57
Exons	255..321		

Seq. No.	35582	Seq. ID	OJ990728_05.9A27.C42
Gene No.	73454	Strand	-
Start	1	End	1016
Name	OJ990728_05.9A27.C42.o1.np	Method	AAT/NAP
Start	1	End	1016
GI	6682611	Score	241
Exons	1..30, 309..610, 939..1016		
GI Descrip.	(AC016163) putative GDSL-motif lipase/hydrolase [Arabidopsis thaliana]		

Seq. No.	35582	Seq. ID	OJ990728_05.9A27.C42
Gene No.	73454	Strand	-
Start	1	End	1016
Name	OJ990728_05.9A27.C42.o1.gs	Method	GENSCAN
Start	317	End	658
GI	none	Score	.76
Exons	317..658		

Seq. No.	35582	Seq. ID	OJ990728_05.9A27.C42
Gene No.	73454	Strand	-
Start	1	End	1016
Name	OJ990728_05.9A27.C42.o1.tm	Method	TBLASTX:Maize
Start	317	End	604
GI	none	Score	72
Exons	317..415, 327..497, 431..496, 500..604		

Seq. No.	35582	Seq. ID	OJ990728_05.9A27.C42
Gene No.	73454	Strand	-
Start	1	End	1016
Name	OJ990728_05.9A27.C42.o1.ts	Method	TBLASTX:Soybean
Start	317	End	604
GI	none	Score	67
Exons	317..415, 327..416, 410..490, 497..604		

Seq. No.	35582	Seq. ID	OJ990728_05.9A27.C42
Gene No.	73454	Strand	-
Start	1	End	1016
Name	OJ990728_05.9A27.C42.o1.tc	Method	TBLASTX:Cress
Start	317	End	604
GI	none	Score	151
Exons	317..415, 410..496, 500..604		

Seq. No.	35583	Seq. ID	OJ990728_05.9A27.C43
Gene No.	73455	Strand	-
Start	1	End	243
Name	OJ990728_05.9A27.C43.o1.np	Method	AAT/NAP
Start	1	End	243
GI	6498436	Score	160
Exons	1..243		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	35584	Seq. ID	OJ990728_05.9A27.C45
Gene No.	73456	Strand	+
Start	1	End	183
Name	OJ990728_05.9A27.C45.o1.gs	Method	GENSCAN
Start	1	End	183
GI	none	Score	.91
Exons	1..183		

Seq. No.	35585	Seq. ID	OJ990728_05.9A27.C46
Gene No.	73457	Strand	-
Start	58	End	639
Name	OJ990728_05.9A27.C46.o1.gs	Method	GENSCAN
Start	58	End	639
GI	none	Score	.84
Exons	58..316, 430..639		

Seq. No.	35586	Seq. ID	OJ990728_05.9A27.C47
Gene No.	73458	Strand	+
Start	308	End	378
Name	OJ990728_05.9A27.C47.o1.gs	Method	GENSCAN
Start	308	End	378
GI	none	Score	.41
Exons	308..378		

Seq. No.	35587	Seq. ID	OJ990728_05.9A27.C51
Gene No.	73459	Strand	-
Start	33	End	183
Name	OJ990728_05.9A27.C51.o1.gs	Method	GENSCAN
Start	33	End	183
GI	none	Score	.94
Exons	33..183		

Seq. No.	35588	Seq. ID	OJ990728_05.9A27.C52
Gene No.	73460	Strand	-
Start	340	End	414
Name	OJ990728_05.9A27.C52.o1.gs	Method	GENSCAN
Start	340	End	414
GI	none	Score	.95
Exons	340..414		

Seq. No.	35589	Seq. ID	OJ990728_05.9A27.C53
Gene No.	73461	Strand	+
Start	1	End	809
Name	OJ990728_05.9A27.C53.o1.np	Method	AAT/NAP
Start	1	End	809
GI	4539400	Score	556
Exons	1..131, 250..373, 458..571, 688..809		
GI Descrip.	(AL035526) putative protein [Arabidopsis thaliana]		

Seq. No.	35589	Seq. ID	OJ990728_05.9A27.C53
Gene No.	73461	Strand	+
Start	1	End	809
Name	OJ990728_05.9A27.C53.o1.ts	Method	TBLASTX:Soybean
Start	1	End	534
GI	none	Score	179
Exons	1..150, 15..137, 208..306, 209..304, 286..330, 287..331,		

323..373, 455..532, 456..533, 457..534, 457..534

Seq. No.	35589	Seq. ID	OJ990728_05.9A27.C53
Gene No.	73461	Strand	+
Start	1	End	809
Name	OJ990728_05.9A27.C53.o1.tm	Method	TBLASTX:Maize
Start	94	End	776
GI	none	Score	77
Exons	94..165, 102..137, 244..372, 248..373, 303..377, 452..571, 455..571, 456..572, 457..585, 686..748, 687..776, 688..774		

Seq. No.	35589	Seq. ID	OJ990728_05.9A27.C53
Gene No.	73461	Strand	+
Start	1	End	809
Name	OJ990728_05.9A27.C53.o1.gs	Method	GENSCAN
Start	250	End	768
GI	none	Score	.9
Exons	250..373, 458..571, 688..768		

Seq. No.	35590	Seq. ID	OJ990728_05.9A27.C54
Gene No.	73462	Strand	+
Start	105	End	140
Name	OJ990728_05.9A27.C54.o1.gs	Method	GENSCAN
Start	105	End	140
GI	none	Score	.78
Exons	105..140		

Seq. No.	35591	Seq. ID	OJ990728_05.9A27.C59
Gene No.	73463	Strand	+
Start	119	End	194
Name	OJ990728_05.9A27.C59.o1.gs	Method	GENSCAN
Start	119	End	194
GI	none	Score	.4
Exons	119..194		

Seq. No.	35592	Seq. ID	OJ990728_05.9A27.C60
Gene No.	73464	Strand	-
Start	1	End	538
Name	OJ990728_05.9A27.C60.o1.np	Method	AAT/NAP
Start	1	End	538
GI	4539400	Score	207
Exons	1..102, 240..401, 497..538		
GI Descrip.	(AL035526) putative protein [Arabidopsis thaliana]		

Seq. No.	35592	Seq. ID	OJ990728_05.9A27.C60
Gene No.	73464	Strand	-
Start	1	End	538
Name	OJ990728_05.9A27.C60.o1.tm	Method	TBLASTX:Maize
Start	47	End	538
GI	none	Score	62
Exons	47..103, 49..114, 57..113, 60..119, 234..401, 238..417, 240..407, 494..538, 498..536		

Seq. No.	35592	Seq. ID	OJ990728_05.9A27.C60
Gene No.	73464	Strand	-
Start	1	End	538
Name	OJ990728_05.9A27.C60.o1.gp	Method	AAT/GAP

Start	48	End	393
GI	LIB3474-001-P1-K1-G12	Score	362
Exons	48..102, 240..393		
GI Descrip.	'4539400/emb\|CAB37466.1\| 2.0e-35 (AL035526) putative protein [Arabidopsis thaliana]'		

Seq. No.	35592	Seq. ID	OJ990728_05.9A27.C60
Gene No.	73464	Strand	-
Start	1	End	538
Name	OJ990728_05.9A27.C60.o1.gs	Method	GENSCAN
Start	52	End	401
GI	none	Score	.91
Exons	52..102, 240..401		

Seq. No.	35593	Seq. ID	OJ990728_05.9A27.C64
Gene No.	73465	Strand	-
Start	1	End	310
Name	OJ990728_05.9A27.C64.o1.np	Method	AAT/NAP
Start	1	End	310
GI	6539570	Score	95
Exons	1..310		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	35594	Seq. ID	OJ990728_05.9A27.C68
Gene No.	73466	Strand	+
Start	35	End	410
Name	OJ990728_05.9A27.C68.o1.gs	Method	GENSCAN
Start	35	End	410
GI	none	Score	.77
Exons	35..102, 317..410		

Seq. No.	35595	Seq. ID	OJ990728_05.9A27.C71
Gene No.	73467	Strand	+
Start	1	End	531
Name	OJ990728_05.9A27.C71.o1.np	Method	AAT/NAP
Start	1	End	531
GI	5091513	Score	840
Exons	1..531		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	35596	Seq. ID	OJ990728_05.9A27.C72
Gene No.	73468	Strand	+
Start	45	End	555
Name	OJ990728_05.9A27.C72.o1.gs	Method	GENSCAN
Start	45	End	555
GI	none	Score	.91
Exons	45..254, 256..384, 449..555		

Seq. No.	35597	Seq. ID	OJ990728_05.9A27.C73
Gene No.	73469	Strand	-
Start	116	End	430
Name	OJ990728_05.9A27.C73.o1.gp	Method	AAT/GAP
Start	116	End	430
GI	72524_1.R1084	Score	406
Exons	116..430		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	35597	Seq. ID	OJ990728_05.9A27.C73
Gene No.	73470	Strand	-
Start	449	End	548
Name	OJ990728_05.9A27.C73.o1.gs	Method	GENSCAN
Start	449	End	548
GI	none	Score	.48
Exons	449..548		

Seq. No.	35598	Seq. ID	OJ990728_05.9A27.C74
Gene No.	73471	Strand	+
Start	374	End	1928
Name	OJ990728_05.9A27.C74.o1.gs	Method	GENSCAN
Start	374	End	1843
GI	none	Score	.69
Exons	374..406, 1801..1843		

Seq. No.	35598	Seq. ID	OJ990728_05.9A27.C74
Gene No.	73471	Strand	+
Start	374	End	1928
Name	OJ990728_05.9A27.C74.o1.np	Method	AAT/NAP
Start	1204	End	1928
GI	4512679	Score	61
Exons	1204..1253, 1683..1719, 1777..1928		
GI Descrip.	(AC006931) 60S ribosomal protein L11B [Arabidopsis thaliana]		

Seq. No.	35599	Seq. ID	OJ990728_05.9A27.C75
Gene No.	73472	Strand	+
Start	1	End	583
Name	OJ990728_05.9A27.C75.o1.np	Method	AAT/NAP
Start	1	End	583
GI	1172817	Score	291
Exons	1..282, 539..583		
GI Descrip.	60S RIBOSOMAL PROTEIN L11B (L16B) gi\|550547\|emb\|CAA57396\| (X81800) ribosomal protein L16 [Arabidopsis thaliana] gi\|4539392\|emb\|CAB37458.1\| (AL035526) ribosomal protein L11, cytosolic [Arabidopsis thaliana]		

Seq. No.	35599	Seq. ID	OJ990728_05.9A27.C75
Gene No.	73472	Strand	+
Start	1	End	583
Name	OJ990728_05.9A27.C75.o1.tc	Method	TBLASTX:Cress
Start	71	End	289
GI	none	Score	338
Exons	71..283, 73..288, 86..289		

Seq. No.	35599	Seq. ID	OJ990728_05.9A27.C75
Gene No.	73472	Strand	+
Start	1	End	583
Name	OJ990728_05.9A27.C75.o1.tw	Method	TBLASTX:Wheat
Start	74	End	289
GI	none	Score	334
Exons	74..283, 82..288, 86..289		

Seq. No.	35599	Seq. ID	OJ990728_05.9A27.C75
Gene No.	73472	Strand	+
Start	1	End	583

Name	OJ990728_05.9A27.C75.o1.tm	Method	TBLASTX:Maize
Start	76	End	300
GI	none	Score	73
Exons	76..282, 77..289, 79..138, 86..280, 220..300		

Seq. No.	35599	Seq. ID	OJ990728_05.9A27.C75
Gene No.	73472	Strand	+
Start	1	End	583
Name	OJ990728_05.9A27.C75.o1.ts	Method	TBLASTX:Soybean
Start	82	End	283
GI	none	Score	335
Exons	82..282, 86..283		

Seq. No.	35599	Seq. ID	OJ990728_05.9A27.C75
Gene No.	73472	Strand	+
Start	1	End	583
Name	OJ990728_05.9A27.C75.o1.gs	Method	GENSCAN
Start	84	End	283
GI	none	Score	.84
Exons	84..283		

Seq. No.	35600	Seq. ID	OJ990728_05.9A27.C76
Gene No.	73473	Strand	+
Start	1	End	272
Name	OJ990728_05.9A27.C76.o1.np	Method	AAT/NAP
Start	1	End	272
GI	4538896	Score	224
Exons	1..272		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	35601	Seq. ID	OJ990728_05.9A27.C78
Gene No.	73474	Strand	+
Start	1	End	107
Name	OJ990728_05.9A27.C78.o1.gp	Method	AAT/GAP
Start	1	End	107
GI	23880_5.R1084	Score	145
Exons	1..107		
GI Descrip.	'4680189/gb\|AF111710.1\|AF111710 1.0e-25 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds'		

Seq. No.	35602	Seq. ID	OJ990318_05.9A03.C1
Gene No.	73475	Strand	-
Start	95	End	298
Name	OJ990318_05.9A03.C1.o1.gs	Method	GENSCAN
Start	95	End	298
GI	none	Score	.8
Exons	95..298		

Seq. No.	35603	Seq. ID	OJ990318_05.9A03.C2
Gene No.	73476	Strand	-
Start	36	End	140
Name	OJ990318_05.9A03.C2.o1.gs	Method	GENSCAN
Start	36	End	140
GI	none	Score	.75
Exons	36..140		

Seq. No.	35604	Seq. ID	OJ990318_05.9A03.C3
Gene No.	73477	Strand	+
Start	1129	End	1216
Name	OJ990318_05.9A03.C3.o1.gp	Method	AAT/GAP
Start	1129	End	1216
GI	none	Score	121
Exons	1129..1216		

Seq. No.	35604	Seq. ID	OJ990318_05.9A03.C3
Gene No.	73478	Strand	+
Start	1165	End	1318
Name	OJ990318_05.9A03.C3.o1.gs	Method	GENSCAN
Start	1165	End	1318
GI	none	Score	.89
Exons	1165..1318		

Seq. No.	35604	Seq. ID	OJ990318_05.9A03.C3
Gene No.	73479	Strand	+
Start	2056	End	3228
Name	OJ990318_05.9A03.C3.o2.gs	Method	GENSCAN
Start	2056	End	3228
GI	none	Score	.79
Exons	2056..2115, 3139..3228		

Seq. No.	35604	Seq. ID	OJ990318_05.9A03.C3
Gene No.	73480	Strand	+
Start	3980	End	6543
Name	OJ990318_05.9A03.C3.o2.gp	Method	AAT/GAP
Start	3922	End	4446
GI	uC-osf1cyp144f08b1	Score	706
Exons	3922..4155, 4239..4446		
GI Descrip.	'2213629 5.0e-37 (AC000103) F21J9.21 [Arabidopsis thaliana]'		

Seq. No.	35604	Seq. ID	OJ990318_05.9A03.C3
Gene No.	73480	Strand	+
Start	3980	End	6543
Name	OJ990318_05.9A03.C3.o1.np	Method	AAT/NAP
Start	3974	End	6532
GI	2213629	Score	1585
Exons	3974..4155, 4239..5143, 6021..6112, 6239..6322, 6446..6532		
GI Descrip.	(AC000103) F21J9.21 [Arabidopsis thaliana]		

Seq. No.	35604	Seq. ID	OJ990318_05.9A03.C3
Gene No.	73480	Strand	+
Start	3980	End	6543
Name	OJ990318_05.9A03.C3.o3.gs	Method	GENSCAN
Start	3980	End	6543
GI	none	Score	.92
Exons	3980..4155, 4239..5143, 6239..6307, 6437..6543		

Seq. No.	35604	Seq. ID	OJ990318_05.9A03.C3
Gene No.	73481	Strand	+
Start	7030	End	7452
Name	OJ990318_05.9A03.C3.o3.gp	Method	AAT/GAP
Start	7030	End	7452
GI	none	Score	797

Exons	7030..7452		
Seq. No.	35604	Seq. ID	OJ990318_05.9A03.C3
Gene No.	73482	Strand	-
Start	7374	End	10973
Name	OJ990318_05.9A03.C3.o2.tm	Method	TBLASTX:Maize
Start	3914	End	4367
GI	none	Score	243
Exons	3914..4153, 3957..4079, 4009..4155, 4230..4367, 4240..4365		
Seq. No.	35604	Seq. ID	OJ990318_05.9A03.C3
Gene No.	73482	Strand	-
Start	7374	End	10973
Name	OJ990318_05.9A03.C3.o2.ts	Method	TBLASTX:Soybean
Start	3985	End	4251
GI	none	Score	247
Exons	3985..4152, 3986..4156, 4231..4251		
Seq. No.	35604	Seq. ID	OJ990318_05.9A03.C3
Gene No.	73482	Strand	-
Start	7374	End	10973
Name	OJ990318_05.9A03.C3.o1.tc	Method	TBLASTX:Cress
Start	4012	End	6541
GI	none	Score	234
Exons	4012..4152, 4013..4156, 4239..4385, 4240..4533, 4506..4592, 4507..4593, 4593..4655, 4594..4653, 4738..5142, 4740..5141, 6029..6112, 6239..6310, 6440..6541		
Seq. No.	35604	Seq. ID	OJ990318_05.9A03.C3
Gene No.	73482	Strand	-
Start	7374	End	10973
Name	OJ990318_05.9A03.C3.o1.ts	Method	TBLASTX:Soybean
Start	4264	End	4953
GI	none	Score	179
Exons	4264..4392, 4266..4376, 4435..4488, 4449..4487, 4498..4653, 4524..4655, 4696..4782, 4740..4952, 4747..4953		
Seq. No.	35604	Seq. ID	OJ990318_05.9A03.C3
Gene No.	73482	Strand	-
Start	7374	End	10973
Name	OJ990318_05.9A03.C3.o1.tm	Method	TBLASTX:Maize
Start	4582	End	6535
GI	none	Score	75
Exons	4582..4656, 4602..4655, 4695..5141, 4696..5142, 6239..6322, 6245..6319, 6422..6535		
Seq. No.	35604	Seq. ID	OJ990318_05.9A03.C3
Gene No.	73482	Strand	-
Start	7374	End	10973
Name	OJ990318_05.9A03.C3.o3.ts	Method	TBLASTX:Soybean
Start	4954	End	6544
GI	none	Score	232
Exons	4954..5142, 4959..5141, 6239..6322, 6241..6318, 6439..6540, 6440..6544		
Seq. No.	35604	Seq. ID	OJ990318_05.9A03.C3
Gene No.	73482	Strand	-

Start	7374	End	10973
Name	OJ990318_05.9A03.C3.o3.tm	Method	TBLASTX:Maize
Start	7348	End	9727
GI	none	Score	39
Exons	7348..7377, 7349..7372, 7440..7559, 7450..7557, 7647..7787, 7648..7800, 7656..7754, 9671..9727		

Seq. No.	35604	Seq. ID	OJ990318_05.9A03.C3
Gene No.	73482	Strand	-
Start	7374	End	10973
Name	OJ990318_05.9A03.C3.o2.np	Method	AAT/NAP
Start	7374	End	10642
GI	4220484	Score	222
Exons	7374..7563, 7648..7784, 9671..9720, 10564..10642		
GI Descrip.	(AC006069) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35604	Seq. ID	OJ990318_05.9A03.C3
Gene No.	73482	Strand	-
Start	7374	End	10973
Name	OJ990318_05.9A03.C3.o4.gp	Method	AAT/GAP
Start	7476	End	10973
GI	75977_1.R1084	Score	785
Exons	7476..7563, 7648..7784, 9671..9720, 10564..10689, 10880..10973		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	35605	Seq. ID	OJ990318_05.9A03.C4
Gene No.	73483	Strand	+
Start	59	End	2023
Name	OJ990318_05.9A03.C4.o1.np	Method	AAT/NAP
Start	59	End	2023
GI	5042463	Score	186
Exons	59..254, 671..893, 1563..1724, 1776..2023		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	35605	Seq. ID	OJ990318_05.9A03.C4
Gene No.	73484	Strand	-
Start	1631	End	1761
Name	OJ990318_05.9A03.C4.o1.gs	Method	GENSCAN
Start	1631	End	1761
GI	none	Score	.63
Exons	1631..1761		

Seq. No.	35606	Seq. ID	OJ990318_05.9A03.C5
Gene No.	73485	Strand	+
Start	621	End	692
Name	OJ990318_05.9A03.C5.o1.gs	Method	GENSCAN
Start	621	End	692
GI	none	Score	.48
Exons	621..692		

Seq. No.	35607	Seq. ID	OJ990318_05.9A03.C6
Gene No.	73486	Strand	-
Start	644	End	1125
Name	OJ990318_05.9A03.C6.o1.gs	Method	GENSCAN
Start	644	End	985
GI	none	Score	.57

Exons	644..985		
Seq. No.	35607	Seq. ID	OJ990318_05.9A03.C6
Gene No.	73486	Strand	-
Start	644	End	1125
Name	OJ990318_05.9A03.C6.o1.np	Method	AAT/NAP
Start	647	End	1125
GI	4234854	Score	571
Exons	647..1125		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		
Seq. No.	35607	Seq. ID	OJ990318_05.9A03.C6
Gene No.	73486	Strand	-
Start	644	End	1125
Name	OJ990318_05.9A03.C6.o1.tw	Method	TBLASTX:Wheat
Start	698	End	1097
GI	none	Score	110
Exons	698..1093, 864..1097		
Seq. No.	35607	Seq. ID	OJ990318_05.9A03.C6
Gene No.	73486	Strand	-
Start	644	End	1125
Name	OJ990318_05.9A03.C6.o1.ts	Method	TBLASTX:Soybean
Start	701	End	1072
GI	none	Score	116
Exons	701..892, 881..1072		
Seq. No.	35608	Seq. ID	OJ990318_05.9A03.C7
Gene No.	73487	Strand	-
Start	1	End	2413
Name	OJ990318_05.9A03.C7.o1.np	Method	AAT/NAP
Start	1	End	2413
GI	4234854	Score	695
Exons	1..890, 2383..2413		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		
Seq. No.	35608	Seq. ID	OJ990318_05.9A03.C7
Gene No.	73487	Strand	-
Start	1	End	2413
Name	OJ990318_05.9A03.C7.o2.np	Method	AAT/NAP
Start	1	End	1740
GI	4234846	Score	352
Exons	1..33, 844..1530, 1564..1740		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		
Seq. No.	35608	Seq. ID	OJ990318_05.9A03.C7
Gene No.	73487	Strand	-
Start	1	End	2413
Name	OJ990318_05.9A03.C7.o1.tc	Method	TBLASTX:Cress
Start	2	End	247
GI	none	Score	114
Exons	2..247, 9..245		
Seq. No.	35608	Seq. ID	OJ990318_05.9A03.C7
Gene No.	73487	Strand	-
Start	1	End	2413
Name	OJ990318_05.9A03.C7.o1.ts	Method	TBLASTX:Soybean

Start	2	End	334
GI	5509260	Score	78
Exons	2..238, 2..334, 21..245		
GI Descrip.	-		

Seq. No.	35608	Seq. ID	OJ990318_05.9A03.C7
Gene No.	73487	Strand	-
Start	1	End	2413
Name	OJ990318_05.9A03.C7.o2.tm	Method	TBLASTX:Maize
Start	26	End	334
GI	none	Score	116
Exons	26..334, 27..284		

Seq. No.	35608	Seq. ID	OJ990318_05.9A03.C7
Gene No.	73487	Strand	-
Start	1	End	2413
Name	OJ990318_05.9A03.C7.o1.tw	Method	TBLASTX:Wheat
Start	35	End	403
GI	none	Score	74
Exons	35..193, 36..188, 218..403		

Seq. No.	35608	Seq. ID	OJ990318_05.9A03.C7
Gene No.	73487	Strand	-
Start	1	End	2413
Name	OJ990318_05.9A03.C7.o1.gs	Method	GENSCAN
Start	50	End	1746
GI	none	Score	.61
Exons	50..519, 896..1063, 1125..1746		

Seq. No.	35608	Seq. ID	OJ990318_05.9A03.C7
Gene No.	73487	Strand	-
Start	1	End	2413
Name	OJ990318_05.9A03.C7.o1.tm	Method	TBLASTX:Maize
Start	1096	End	1644
GI	none	Score	136
Exons	1096..1323, 1099..1644, 1100..1642		

Seq. No.	35609	Seq. ID	OJ990318_05.9A03.C9
Gene No.	73488	Strand	+
Start	212	End	1307
Name	OJ990318_05.9A03.C9.o1.gs	Method	GENSCAN
Start	212	End	1307
GI	none	Score	.47
Exons	212..340, 1224..1307		

Seq. No.	35609	Seq. ID	OJ990318_05.9A03.C9
Gene No.	73489	Strand	+
Start	2566	End	5508
Name	OJ990318_05.9A03.C9.o2.gs	Method	GENSCAN
Start	2566	End	5508
GI	none	Score	.79
Exons	2566..2753, 2902..3018, 3124..3160, 3450..3633, 4397..5508		

Seq. No.	35610	Seq. ID	OJ990318_05.9A03.C10
Gene No.	73490	Strand	+
Start	1420	End	2860
Name	OJ990318_05.9A03.C10.o1.gs	Method	GENSCAN

Start	1420	End	2860
GI	none	Score	.58
Exons	1420..1554, 2077..2216, 2746..2860		

Seq. No.	35610	Seq. ID	OJ990318_05.9A03.C10
Gene No.	73491	Strand	-
Start	4115	End	4758
Name	OJ990318_05.9A03.C10.o2.gs	Method	GENSCAN
Start	4115	End	4758
GI	none	Score	.79
Exons	4115..4233, 4638..4758		

Seq. No.	35611	Seq. ID	OJ990318_05.9A03.C11
Gene No.	73492	Strand	+
Start	58	End	4789
Name	OJ990318_05.9A03.C11.o2.np	Method	AAT/NAP
Start	58	End	4789
GI	6587849	Score	219
Exons	58..92, 3011..3421, 4753..4789		
GI Descrip.	(AC006551) Very similar to retrotransposon reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	35611	Seq. ID	OJ990318_05.9A03.C11
Gene No.	73493	Strand	-
Start	3623	End	4247
Name	OJ990318_05.9A03.C11.o1.gp	Method	AAT/GAP
Start	3623	End	4247
GI	3761363	Score	1142
Exons	3623..4247		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	35611	Seq. ID	OJ990318_05.9A03.C11
Gene No.	73494	Strand	-
Start	4206	End	4378
Name	OJ990318_05.9A03.C11.o3.np	Method	AAT/NAP
Start	4206	End	4378
GI	6063554	Score	121
Exons	4206..4378		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35611	Seq. ID	OJ990318_05.9A03.C11
Gene No.	73495	Strand	-
Start	4446	End	4789
Name	OJ990318_05.9A03.C11.o1.ts	Method	TBLASTX:Soybean
Start	2100	End	2531
GI	none	Score	122
Exons	2100..2303, 2352..2531		

Seq. No.	35611	Seq. ID	OJ990318_05.9A03.C11
Gene No.	73495	Strand	-
Start	4446	End	4789
Name	OJ990318_05.9A03.C11.o1.tm	Method	TBLASTX:Maize
Start	2120	End	2531
GI	none	Score	114

Exons	2120..2320, 2163..2321, 2352..2531, 2390..2515		
Seq. No.	35611	Seq. ID	OJ990318_05.9A03.C11
Gene No.	73495	Strand	-
Start	4446	End	4789
Name	OJ990318_05.9A03.C11.o1.tw	Method	TBLASTX:Wheat
Start	3031	End	3337
GI	none	Score	288
Exons	3031..3336, 3035..3337		
Seq. No.	35611	Seq. ID	OJ990318_05.9A03.C11
Gene No.	73495	Strand	-
Start	4446	End	4789
Name	OJ990318_05.9A03.C11.o2.gp	Method	AAT/GAP
Start	4446	End	4789
GI	2427387	Score	655
Exons	4446..4789		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	35612	Seq. ID	OJ990318_05.9A03.C12
Gene No.	73496	Strand	+
Start	148	End	751
Name	OJ990318_05.9A03.C12.o1.gs	Method	GENSCAN
Start	148	End	751
GI	none	Score	.87
Exons	148..161, 673..751		
Seq. No.	35612	Seq. ID	OJ990318_05.9A03.C12
Gene No.	73497	Strand	+
Start	1072	End	5210
Name	OJ990318_05.9A03.C12.o2.gs	Method	GENSCAN
Start	1072	End	5210
GI	none	Score	.77
Exons	1072..1886, 2022..2099, 3560..3726, 5173..5210		
Seq. No.	35612	Seq. ID	OJ990318_05.9A03.C12
Gene No.	73497	Strand	+
Start	1072	End	5210
Name	OJ990318_05.9A03.C12.o1.np	Method	AAT/NAP
Start	1501	End	2926
GI	5852084	Score	90
Exons	1501..1536, 2843..2926		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		
Seq. No.	35612	Seq. ID	OJ990318_05.9A03.C12
Gene No.	73497	Strand	+
Start	1072	End	5210
Name	OJ990318_05.9A03.C12.o2.gp	Method	AAT/GAP
Start	3179	End	3239
GI	688_1.R1084	Score	77
Exons	3179..3239		
GI Descrip.	'226661/prf\|\|1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		
Seq. No.	35612	Seq. ID	OJ990318_05.9A03.C12
Gene No.	73498	Strand	-

Start	133	End	510
Name	OJ990318_05.9A03.C12.o1.gp	Method	AAT/GAP
Start	133	End	510
GI	2427387	Score	723
Exons	133..510		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	35612	Seq. ID	OJ990318_05.9A03.C12
Gene No.	73499	Strand	-
Start	2026	End	3719
Name	OJ990318_05.9A03.C12.o2.np	Method	AAT/NAP
Start	2026	End	3719
GI	82517	Score	57
Exons	2026..2049, 3176..3241, 3609..3719		
GI Descrip.	hypothetical 12K protein (trnA intron) - rice chloroplast		

Seq. No.	35612	Seq. ID	OJ990318_05.9A03.C12
Gene No.	73500	Strand	-
Start	6572	End	9874
Name	OJ990318_05.9A03.C12.o3.gs	Method	GENSCAN
Start	6572	End	9874
GI	none	Score	.77
Exons	6572..6646, 7022..7304, 7385..7555, 7633..8477, 8725..9069, 9146..9365, 9621..9874		

Seq. No.	35613	Seq. ID	OJ990318_05.9A03.C14
Gene No.	73501	Strand	-
Start	128	End	145
Name	OJ990318_05.9A03.C14.o1.gs	Method	GENSCAN
Start	128	End	145
GI	none	Score	.74
Exons	128..145		

Seq. No.	35614	Seq. ID	OJ990318_05.9A03.C15
Gene No.	73502	Strand	-
Start	27	End	52
Name	OJ990318_05.9A03.C15.o1.gs	Method	GENSCAN
Start	27	End	52
GI	none	Score	.7
Exons	27..52		

Seq. No.	35615	Seq. ID	OJ990318_05.9A03.C17
Gene No.	73503	Strand	+
Start	216	End	524
Name	OJ990318_05.9A03.C17.o1.np	Method	AAT/NAP
Start	216	End	524
GI	6907089	Score	152
Exons	216..524		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	35615	Seq. ID	OJ990318_05.9A03.C17
Gene No.	73504	Strand	-
Start	199	End	456
Name	OJ990318_05.9A03.C17.o1.gs	Method	GENSCAN
Start	199	End	456
GI	none	Score	.49

Exons	199..456		
Seq. No.	35616	Seq. ID	OJ990318_05.9A03.C18
Gene No.	73505	Strand	+
Start	1	End	152
Name	OJ990318_05.9A03.C18.o1.np	Method	AAT/NAP
Start	1	End	152
GI	6721561	Score	166
Exons	1..152		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	35616	Seq. ID	OJ990318_05.9A03.C18
Gene No.	73506	Strand	+
Start	393	End	411
Name	OJ990318_05.9A03.C18.o1.gs	Method	GENSCAN
Start	393	End	411
GI	none	Score	.69
Exons	393..411		
Seq. No.	35617	Seq. ID	OJ990318_05.9A03.C19
Gene No.	73507	Strand	-
Start	1	End	385
Name	OJ990318_05.9A03.C19.o1.np	Method	AAT/NAP
Start	1	End	385
GI	2130082	Score	260
Exons	1..385		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi\|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi\|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi\|1586408\|prf\|\|2203451A receptor kinase-like protein [Oryza sativa]		
Seq. No.	35617	Seq. ID	OJ990318_05.9A03.C19
Gene No.	73507	Strand	-
Start	1	End	385
Name	OJ990318_05.9A03.C19.o1.gs	Method	GENSCAN
Start	67	End	346
GI	none	Score	.47
Exons	67..317, 338..346		
Seq. No.	35618	Seq. ID	OJ990318_05.9A03.C20
Gene No.	73508	Strand	+
Start	245	End	406
Name	OJ990318_05.9A03.C20.o1.gs	Method	GENSCAN
Start	245	End	406
GI	none	Score	.89
Exons	245..406		
Seq. No.	35619	Seq. ID	OJ990318_05.9A03.C21
Gene No.	73509	Strand	-
Start	1	End	316
Name	OJ990318_05.9A03.C21.o1.gp	Method	AAT/GAP
Start	1	End	316

GI	342_1.R1084	Score	624
Exons	1..316		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	35620	Seq. ID	OJ990318_05.9A03.C22
Gene No.	73510	Strand	-
Start	3885	End	4130
Name	OJ990318_05.9A03.C22.o2.gs	Method	GENSCAN
Start	3885	End	4031
GI	none	Score	.85
Exons	3885..4031		

Seq. No.	35620	Seq. ID	OJ990318_05.9A03.C22
Gene No.	73510	Strand	-
Start	3885	End	4130
Name	OJ990318_05.9A03.C22.o1.np	Method	AAT/NAP
Start	3888	End	4130
GI	6539586	Score	417
Exons	3888..4130		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	35621	Seq. ID	OJ990318_05.9A03.C23
Gene No.	73511	Strand	+
Start	1	End	4160
Name	OJ990318_05.9A03.C23.o1.np	Method	AAT/NAP
Start	1	End	1781
GI	4544372	Score	586
Exons	1..210, 270..426, 747..1781		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	35621	Seq. ID	OJ990318_05.9A03.C23
Gene No.	73511	Strand	+
Start	1	End	4160
Name	OJ990318_05.9A03.C23.o1.gs	Method	GENSCAN
Start	12	End	1546
GI	none	Score	.65
Exons	12..221, 252..426, 699..839, 978..1546		

Seq. No.	35621	Seq. ID	OJ990318_05.9A03.C23
Gene No.	73511	Strand	+
Start	1	End	4160
Name	OJ990318_05.9A03.C23.o2.np	Method	AAT/NAP
Start	1143	End	4160
GI	629693	Score	542
Exons	1143..1215, 2132..3172, 4116..4160		
GI Descrip.	probable integrase - common tobacco (fragment) gi\|530742\|emb\|CAA56791\| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	35621	Seq. ID	OJ990318_05.9A03.C23
Gene No.	73511	Strand	+
Start	1	End	4160
Name	OJ990318_05.9A03.C23.o2.gs	Method	GENSCAN
Start	2274	End	3355
GI	none	Score	.66
Exons	2274..2556, 2691..3143, 3291..3355		

Seq. No.	35621	Seq. ID	OJ990318_05.9A03.C23
Gene No.	73512	Strand	-
Start	3796	End	7746
Name	OJ990318_05.9A03.C23.o3.gs	Method	GENSCAN
Start	3796	End	7746
GI	none	Score	.67
Exons	3796..4143, 4560..4667, 4845..5267, 5347..5372, 5685..5987, 6063..6676, 6915..7056, 7343..7470, 7664..7746		

Seq. No.	35621	Seq. ID	OJ990318_05.9A03.C23
Gene No.	73513	Strand	-
Start	8531	End	9102
Name	OJ990318_05.9A03.C23.o4.ts	Method	TBLASTX:Soybean
Start	144	End	482
GI	none	Score	195
Exons	144..482		

Seq. No.	35621	Seq. ID	OJ990318_05.9A03.C23
Gene No.	73513	Strand	-
Start	8531	End	9102
Name	OJ990318_05.9A03.C23.o3.ts	Method	TBLASTX:Soybean
Start	911	End	1276
GI	none	Score	134
Exons	911..1135, 922..1101, 1136..1276		

Seq. No.	35621	Seq. ID	OJ990318_05.9A03.C23
Gene No.	73513	Strand	-
Start	8531	End	9102
Name	OJ990318_05.9A03.C23.o1.tw	Method	TBLASTX:Wheat
Start	1073	End	1477
GI	none	Score	72
Exons	1073..1129, 1124..1477, 1131..1463, 1133..1477		

Seq. No.	35621	Seq. ID	OJ990318_05.9A03.C23
Gene No.	73513	Strand	-
Start	8531	End	9102
Name	OJ990318_05.9A03.C23.o2.tm	Method	TBLASTX:Maize
Start	1127	End	1345
GI	none	Score	287
Exons	1127..1345, 1136..1327, 1147..1344		

Seq. No.	35621	Seq. ID	OJ990318_05.9A03.C23
Gene No.	73513	Strand	-
Start	8531	End	9102
Name	OJ990318_05.9A03.C23.o1.tm	Method	TBLASTX:Maize
Start	1346	End	1809
GI	none	Score	244
Exons	1346..1534, 1346..1522, 1534..1806, 1536..1805, 1549..1809		

Seq. No.	35621	Seq. ID	OJ990318_05.9A03.C23
Gene No.	73513	Strand	-
Start	8531	End	9102
Name	OJ990318_05.9A03.C23.o5.ts	Method	TBLASTX:Soybean
Start	1421	End	1653
GI	none	Score	102
Exons	1421..1534, 1533..1652, 1534..1653		

Seq. No.	35621	Seq. ID	OJ990318_05.9A03.C23
Gene No.	73513	Strand	-
Start	8531	End	9102
Name	OJ990318_05.9A03.C23.o3.tm	Method	TBLASTX:Maize
Start	2184	End	2564
GI	none	Score	78
Exons	2184..2342, 2340..2564		

Seq. No.	35621	Seq. ID	OJ990318_05.9A03.C23
Gene No.	73513	Strand	-
Start	8531	End	9102
Name	OJ990318_05.9A03.C23.o1.ts	Method	TBLASTX:Soybean
Start	2187	End	2585
GI	none	Score	235
Exons	2187..2585, 2291..2407		

Seq. No.	35621	Seq. ID	OJ990318_05.9A03.C23
Gene No.	73513	Strand	-
Start	8531	End	9102
Name	OJ990318_05.9A03.C23.o3.tw	Method	TBLASTX:Wheat
Start	2343	End	2710
GI	none	Score	167
Exons	2343..2612, 2669..2710		

Seq. No.	35621	Seq. ID	OJ990318_05.9A03.C23
Gene No.	73513	Strand	-
Start	8531	End	9102
Name	OJ990318_05.9A03.C23.o2.tw	Method	TBLASTX:Wheat
Start	2747	End	3154
GI	none	Score	215
Exons	2747..3154, 2755..3120		

Seq. No.	35621	Seq. ID	OJ990318_05.9A03.C23
Gene No.	73513	Strand	-
Start	8531	End	9102
Name	OJ990318_05.9A03.C23.o2.ts	Method	TBLASTX:Soybean
Start	2930	End	3169
GI	none	Score	235
Exons	2930..3169, 2932..3069		

Seq. No.	35621	Seq. ID	OJ990318_05.9A03.C23
Gene No.	73513	Strand	-
Start	8531	End	9102
Name	OJ990318_05.9A03.C23.o4.gs	Method	GENSCAN
Start	8531	End	9102
GI	none	Score	.71
Exons	8531..8636, 9014..9102		

Seq. No.	35622	Seq. ID	OJ990318_05.9A03.C24
Gene No.	73514	Strand	+
Start	6679	End	7572
Name	OJ990318_05.9A03.C24.o1.np	Method	AAT/NAP
Start	6679	End	7572
GI	5902448	Score	1483
Exons	6679..7572		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	35622	Seq. ID	OJ990318_05.9A03.C24
Gene No.	73515	Strand	+
Start	7662	End	8127
Name	OJ990318_05.9A03.C24.o1.tw	Method	TBLASTX:Wheat
Start	6799	End	7089
GI	none	Score	210
Exons	6799..7089		

Seq. No.	35622	Seq. ID	OJ990318_05.9A03.C24
Gene No.	73515	Strand	+
Start	7662	End	8127
Name	OJ990318_05.9A03.C24.o2.np	Method	AAT/NAP
Start	7662	End	8127
GI	5902447	Score	403
Exons	7662..8127		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73516	Strand	+
Start	1	End	2017
Name	OJ990318_05.9A03.C25.o1.np	Method	AAT/NAP
Start	1	End	2014
GI	6691716	Score	1142
Exons	1..22, 174..351, 428..528, 607..786, 864..1051, 1127..1229, 1379..1492, 1566..2014		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73516	Strand	+
Start	1	End	2017
Name	OJ990318_05.9A03.C25.o1.gs	Method	GENSCAN
Start	71	End	2017
GI	none	Score	.94
Exons	71..351, 428..786, 906..1051, 1127..1316, 1566..2017		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73517	Strand	+
Start	8166	End	8928
Name	OJ990318_05.9A03.C25.o1.gp	Method	AAT/GAP
Start	8166	End	8928
GI	5816562	Score	629
Exons	8166..8183, 8512..8928		
GI Descrip.	6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73518	Strand	-
Start	2347	End	8465
Name	OJ990318_05.9A03.C25.o2.gs	Method	GENSCAN
Start	2347	End	8465
GI	none	Score	.47
Exons	2347..3311, 3330..5428, 5525..7180, 7207..7594, 7799..8465		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25

Gene No.	73518	Strand	-
Start	2347	End	8465
Name	OJ990318_05.9A03.C25.o3.tw	Method	TBLASTX:Wheat
Start	2359	End	2973
GI	none	Score	95
Exons	2359..2490, 2482..2973, 2684..2812, 2794..2823, 2864..2953		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73518	Strand	-
Start	2347	End	8465
Name	OJ990318_05.9A03.C25.o2.np	Method	AAT/NAP
Start	2383	End	8465
GI	5922631	Score	6745
Exons	2383..4910, 5517..6443, 6570..6720, 6763..7334, 7380..7579, 7838..8082, 8341..8465		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73518	Strand	-
Start	2347	End	8465
Name	OJ990318_05.9A03.C25.o4.tm	Method	TBLASTX:Maize
Start	2398	End	2661
GI	none	Score	93
Exons	2398..2499, 2399..2500, 2479..2661, 2480..2539		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73518	Strand	-
Start	2347	End	8465
Name	OJ990318_05.9A03.C25.o5.tm	Method	TBLASTX:Maize
Start	2743	End	3016
GI	none	Score	58
Exons	2743..2829, 2839..2922, 2852..2926, 2917..3015, 2918..3016		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73518	Strand	-
Start	2347	End	8465
Name	OJ990318_05.9A03.C25.o5.tw	Method	TBLASTX:Wheat
Start	3086	End	3477
GI	none	Score	54
Exons	3086..3133, 3088..3279, 3088..3474, 3164..3475, 3343..3477		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73518	Strand	-
Start	2347	End	8465
Name	OJ990318_05.9A03.C25.o1.tm	Method	TBLASTX:Maize
Start	3169	End	3483
GI	none	Score	234
Exons	3169..3480, 3170..3481, 3175..3483		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73518	Strand	-

Start	2347	End	8465
Name	OJ990318_05.9A03.C25.o9.tw	Method	TBLASTX:Wheat
Start	3478	End	3777
GI	none	Score	135
Exons	3478..3576, 3643..3777		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73518	Strand	-
Start	2347	End	8465
Name	OJ990318_05.9A03.C25.o6.tw	Method	TBLASTX:Wheat
Start	3793	End	4215
GI	none	Score	209
Exons	3793..4215, 3869..4210		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73518	Strand	-
Start	2347	End	8465
Name	OJ990318_05.9A03.C25.o3.ts	Method	TBLASTX:Soybean
Start	3836	End	4222
GI	none	Score	107
Exons	3836..4084, 3838..4080, 4120..4218, 4130..4222		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73518	Strand	-
Start	2347	End	8465
Name	OJ990318_05.9A03.C25.o4.tw	Method	TBLASTX:Wheat
Start	4252	End	4681
GI	none	Score	100
Exons	4252..4680, 4472..4681		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73518	Strand	-
Start	2347	End	8465
Name	OJ990318_05.9A03.C25.o1.ts	Method	TBLASTX:Soybean
Start	4450	End	4851
GI	none	Score	46
Exons	4450..4851, 4484..4654, 4691..4834		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73518	Strand	-
Start	2347	End	8465
Name	OJ990318_05.9A03.C25.o2.tm	Method	TBLASTX:Maize
Start	4603	End	4986
GI	none	Score	158
Exons	4603..4986, 4604..4948		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73518	Strand	-
Start	2347	End	8465
Name	OJ990318_05.9A03.C25.o1.tw	Method	TBLASTX:Wheat
Start	4726	End	5145
GI	none	Score	237
Exons	4726..5145, 4727..5143		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73518	Strand	-
Start	2347	End	8465

Name	OJ990318_05.9A03.C25.o3.tm	Method	TBLASTX:Maize
Start	5014	End	5370
GI	none	Score	189
Exons	5014..5370, 5024..5329		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73518	Strand	-
Start	2347	End	8465
Name	OJ990318_05.9A03.C25.o2.ts	Method	TBLASTX:Soybean
Start	5095	End	5460
GI	none	Score	133
Exons	5095..5229, 5236..5460		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73518	Strand	-
Start	2347	End	8465
Name	OJ990318_05.9A03.C25.o8.tw	Method	TBLASTX:Wheat
Start	5145	End	5379
GI	none	Score	141
Exons	5145..5309, 5146..5379, 5147..5359		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73518	Strand	-
Start	2347	End	8465
Name	OJ990318_05.9A03.C25.o2.tw	Method	TBLASTX:Wheat
Start	5380	End	6177
GI	none	Score	116
Exons	5380..5673, 5384..5545, 5720..5956, 5722..5952, 6001..6177		

Seq. No.	35623	Seq. ID	OJ990318_05.9A03.C25
Gene No.	73518	Strand	-
Start	2347	End	8465
Name	OJ990318_05.9A03.C25.o7.tw	Method	TBLASTX:Wheat
Start	6757	End	7159
GI	none	Score	109
Exons	6757..7158, 6851..7159		

Seq. No.	35624	Seq. ID	OJ990318_05.9A03.C26
Gene No.	73519	Strand	+
Start	733	End	1539
Name	OJ990318_05.9A03.C26.o1.gs	Method	GENSCAN
Start	733	End	1539
GI	none	Score	.49
Exons	733..790, 1496..1539		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73520	Strand	+
Start	5663	End	11313
Name	OJ990318_05.9A03.C27.o1.np	Method	AAT/NAP
Start	5663	End	11310
GI	6498441	Score	6940
Exons	5663..6726, 7058..7521, 7585..7958, 8142..8276, 8451..8877, 9070..9366, 9538..10935, 11029..11310		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73520	Strand	+
Start	5663	End	11313
Name	OJ990318_05.9A03.C27.o2.gs	Method	GENSCAN
Start	7648	End	11313
GI	none	Score	1
Exons	7648..11313		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73521	Strand	-
Start	11941	End	12186
Name	OJ990318_05.9A03.C27.o6.tw	Method	TBLASTX:Wheat
Start	5811	End	6203
GI	none	Score	58
Exons	5811..5858, 5865..5963, 5870..5962, 5930..6169, 5946..6203		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73521	Strand	-
Start	11941	End	12186
Name	OJ990318_05.9A03.C27.o4.tm	Method	TBLASTX:Maize
Start	5816	End	6101
GI	none	Score	191
Exons	5816..6100, 5853..6101		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73521	Strand	-
Start	11941	End	12186
Name	OJ990318_05.9A03.C27.o5.tw	Method	TBLASTX:Wheat
Start	6211	End	9672
GI	none	Score	227
Exons	6211..6264, 9214..9468, 9238..9489, 9258..9488, 9511..9672, 9532..9669		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73521	Strand	-
Start	11941	End	12186
Name	OJ990318_05.9A03.C27.o3.tw	Method	TBLASTX:Wheat
Start	6942	End	7428
GI	none	Score	408
Exons	6942..7079, 6943..7428, 7137..7397		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73521	Strand	-
Start	11941	End	12186
Name	OJ990318_05.9A03.C27.o1.tw	Method	TBLASTX:Wheat
Start	7592	End	8055
GI	none	Score	223
Exons	7592..8035, 7593..8048, 7594..8055, 7594..8049		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73521	Strand	-
Start	11941	End	12186
Name	OJ990318_05.9A03.C27.o3.ts	Method	TBLASTX:Soybean
Start	7633	End	7998
GI	none	Score	118
Exons	7633..7857, 7864..7998		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73521	Strand	-
Start	11941	End	12186
Name	OJ990318_05.9A03.C27.o1.tm	Method	TBLASTX:Maize
Start	7723	End	8079
GI	none	Score	394
Exons	7723..8079, 7758..8069, 7774..8079		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73521	Strand	-
Start	11941	End	12186
Name	OJ990318_05.9A03.C27.o2.tm	Method	TBLASTX:Maize
Start	8106	End	8490
GI	none	Score	360
Exons	8106..8471, 8107..8490		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73521	Strand	-
Start	11941	End	12186
Name	OJ990318_05.9A03.C27.o2.tw	Method	TBLASTX:Wheat
Start	8163	End	8583
GI	none	Score	490
Exons	8163..8576, 8164..8583		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73521	Strand	-
Start	11941	End	12186
Name	OJ990318_05.9A03.C27.o1.ts	Method	TBLASTX:Soybean
Start	8242	End	8613
GI	none	Score	279
Exons	8242..8613, 8259..8402		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73521	Strand	-
Start	11941	End	12186
Name	OJ990318_05.9A03.C27.o2.ts	Method	TBLASTX:Soybean
Start	9361	End	9927
GI	5666795	Score	68
Exons	9361..9459, 9535..9672, 9727..9927		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73521	Strand	-
Start	11941	End	12186
Name	OJ990318_05.9A03.C27.o8.tw	Method	TBLASTX:Wheat
Start	9675	End	9987
GI	none	Score	192
Exons	9675..9851, 9727..9987		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73521	Strand	-
Start	11941	End	12186
Name	OJ990318_05.9A03.C27.o3.tm	Method	TBLASTX:Maize
Start	10180	End	10542
GI	none	Score	342
Exons	10180..10503, 10209..10490, 10495..10542		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73521	Strand	-
Start	11941	End	12186
Name	OJ990318_05.9A03.C27.o4.tw	Method	TBLASTX:Wheat
Start	10317	End	10698
GI	none	Score	358
Exons	10317..10373, 10318..10698, 10419..10667		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73521	Strand	-
Start	11941	End	12186
Name	OJ990318_05.9A03.C27.o7.tw	Method	TBLASTX:Wheat
Start	10699	End	11301
GI	none	Score	262
Exons	10699..10983, 10704..10982, 11175..11297, 11176..11301		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73521	Strand	-
Start	11941	End	12186
Name	OJ990318_05.9A03.C27.o5.tm	Method	TBLASTX:Maize
Start	11170	End	11316
GI	none	Score	186
Exons	11170..11316, 11175..11309		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73521	Strand	-
Start	11941	End	12186
Name	OJ990318_05.9A03.C27.o3.gs	Method	GENSCAN
Start	11941	End	12087
GI	none	Score	.69
Exons	11941..12087		

Seq. No.	35625	Seq. ID	OJ990318_05.9A03.C27
Gene No.	73521	Strand	-
Start	11941	End	12186
Name	OJ990318_05.9A03.C27.o2.np	Method	AAT/NAP
Start	11944	End	12186
GI	6539586	Score	386
Exons	11944..12186		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	35626	Seq. ID	OJ990318_05.9A03.C28
Gene No.	73522	Strand	+
Start	1	End	4194
Name	OJ990318_05.9A03.C28.o2.np	Method	AAT/NAP
Start	1	End	4194
GI	5042454	Score	277
Exons	1..73, 1055..1266, 2972..3039, 3723..3906, 4141..4194		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	35626	Seq. ID	OJ990318_05.9A03.C28
Gene No.	73523	Strand	-
Start	1	End	2696
Name	OJ990318_05.9A03.C28.o1.np	Method	AAT/NAP
Start	1	End	2696
GI	6907089	Score	3918
Exons	1..1335, 1430..2696		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	35626	Seq. ID	OJ990318_05.9A03.C28
Gene No.	73524	Strand	-
Start	12537	End	13038
Name	OJ990318_05.9A03.C28.o2.gs	Method	GENSCAN
Start	12537	End	13038
GI	none	Score	.84
Exons	12537..12667, 12957..13038		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73525	Strand	+
Start	279	End	1842
Name	OJ990318_05.9A03.C29.o1.gs	Method	GENSCAN
Start	279	End	1842
GI	none	Score	.89
Exons	279..382, 997..1142, 1628..1842		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73526	Strand	+
Start	5100	End	6895
Name	OJ990318_05.9A03.C29.o2.gs	Method	GENSCAN
Start	5100	End	6895
GI	none	Score	.8
Exons	5100..5165, 5356..5485, 6795..6895		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73527	Strand	+
Start	9882	End	13354
Name	OJ990318_05.9A03.C29.o4.gs	Method	GENSCAN
Start	9882	End	13354
GI	none	Score	.76
Exons	9882..10228, 10339..10490, 10996..11041, 12400..12522, 12737..12900, 13338..13354		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73528	Strand	+
Start	14779	End	14924
Name	OJ990318_05.9A03.C29.o3.gp	Method	AAT/GAP
Start	14779	End	14924
GI	21474_1.R1084	Score	227
Exons	14779..14924		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73529	Strand	-
Start	2614	End	3304
Name	OJ990318_05.9A03.C29.o1.gp	Method	AAT/GAP
Start	2614	End	3304
GI	3762863	Score	1207
Exons	2614..3304		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73530	Strand	-
Start	4820	End	5224
Name	OJ990318_05.9A03.C29.o2.gp	Method	AAT/GAP

Start	4820	End	5224
GI	3762862	Score	763
Exons	4820..5224		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73531	Strand	-
Start	7261	End	8127
Name	OJ990318_05.9A03.C29.o3.gs	Method	GENSCAN
Start	7261	End	8127
GI	none	Score	.56
Exons	7261..7272, 7354..7560, 7972..8127		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73532	Strand	-
Start	15335	End	19050
Name	OJ990318_05.9A03.C29.o5.gs	Method	GENSCAN
Start	15335	End	19035
GI	none	Score	.63
Exons	15335..15523, 15603..15701, 15796..15868, 15953..16063, 16160..16333, 16443..17518, 17614..18296, 18375..19035		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73532	Strand	-
Start	15335	End	19050
Name	OJ990318_05.9A03.C29.o1.np	Method	AAT/NAP
Start	15356	End	19050
GI	4680204	Score	984
Exons	15356..15493, 15844..16063, 16160..16326, 16422..17518, 17614..19050		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73532	Strand	-
Start	15335	End	19050
Name	OJ990318_05.9A03.C29.o3.np	Method	AAT/NAP
Start	16714	End	19050
GI	4680204	Score	900
Exons	16714..16869, 17004..17518, 17614..19050		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73533	Strand	-
Start	20098	End	20334
Name	OJ990318_05.9A03.C29.o6.gs	Method	GENSCAN
Start	20098	End	20334
GI	none	Score	.56
Exons	20098..20334		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73534	Strand	-
Start	21434	End	25644
Name	OJ990318_05.9A03.C29.o4.tw	Method	TBLASTX:Wheat
Start	18004	End	18407
GI	none	Score	74
Exons	18004..18174, 18137..18304, 18169..18405, 18256..18405, 18267..18407, 18291..18407		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73534	Strand	-
Start	21434	End	25644
Name	OJ990318_05.9A03.C29.o4.np	Method	AAT/NAP
Start	21434	End	25644
GI	4680203	Score	2902
Exons	21434..22633, 22742..24430, 25594..25644		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73534	Strand	-
Start	21434	End	25644
Name	OJ990318_05.9A03.C29.o1.tw	Method	TBLASTX:Wheat
Start	21494	End	22760
GI	none	Score	51
Exons	21494..21580, 21498..21554, 21569..21649, 21597..21650, 21662..21802, 21663..21803, 21747..21845, 21782..21841, 21848..21889, 21848..21892, 21887..22756, 21903..22760, 22531..22758		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73534	Strand	-
Start	21434	End	25644
Name	OJ990318_05.9A03.C29.o1.tc	Method	TBLASTX:Cress
Start	22069	End	22521
GI	none	Score	182
Exons	22069..22320, 22070..22507, 22070..22513, 22074..22517, 22125..22517, 22366..22521		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73534	Strand	-
Start	21434	End	25644
Name	OJ990318_05.9A03.C29.o2.tm	Method	TBLASTX:Maize
Start	22448	End	22756
GI	none	Score	68
Exons	22448..22678, 22448..22756, 22476..22751		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73534	Strand	-
Start	21434	End	25644
Name	OJ990318_05.9A03.C29.o2.ts	Method	TBLASTX:Soybean
Start	22935	End	23177
GI	none	Score	216
Exons	22935..23177		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73534	Strand	-
Start	21434	End	25644
Name	OJ990318_05.9A03.C29.o1.tm	Method	TBLASTX:Maize
Start	23007	End	23452
GI	none	Score	92
Exons	23007..23201, 23211..23336, 23330..23452		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73534	Strand	-
Start	21434	End	25644
Name	OJ990318_05.9A03.C29.o2.tw	Method	TBLASTX:Wheat

Start	23041	End	23509
GI	none	Score	173
Exons	23041..23247, 23041..23250, 23046..23270, 23250..23330, 23250..23336, 23251..23337, 23351..23455, 23355..23444, 23456..23509, 23457..23501		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73534	Strand	-
Start	21434	End	25644
Name	OJ990318_05.9A03.C29.o2.tc	Method	TBLASTX:Cress
Start	23330	End	23645
GI	none	Score	63
Exons	23330..23638, 23361..23453, 23493..23645		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73534	Strand	-
Start	21434	End	25644
Name	OJ990318_05.9A03.C29.o1.ts	Method	TBLASTX:Soybean
Start	23378	End	23807
GI	none	Score	85
Exons	23378..23674, 23391..23624, 23669..23731, 23724..23807, 23732..23806		

Seq. No.	35627	Seq. ID	OJ990318_05.9A03.C29
Gene No.	73534	Strand	-
Start	21434	End	25644
Name	OJ990318_05.9A03.C29.o3.tw	Method	TBLASTX:Wheat
Start	23728	End	24084
GI	none	Score	178
Exons	23728..23979, 23738..23980, 23739..23981, 23972..24079, 23986..24084		

Seq. No.	35628	Seq. ID	OJ990318_05.9A03.C30
Gene No.	73535	Strand	+
Start	1311	End	1369
Name	OJ990318_05.9A03.C30.o1.gp	Method	AAT/GAP
Start	1311	End	1369
GI	2312838	Score	63
Exons	1311..1369		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	35628	Seq. ID	OJ990318_05.9A03.C30
Gene No.	73536	Strand	+
Start	1427	End	2940
Name	OJ990318_05.9A03.C30.o1.gs	Method	GENSCAN
Start	1427	End	2940
GI	none	Score	.69
Exons	1427..1584, 2027..2212, 2347..2458, 2679..2832, 2837..2940		

Seq. No.	35629	Seq. ID	OJ990318_05.9A03.C31
Gene No.	73537	Strand	+
Start	404	End	2185
Name	OJ990318_05.9A03.C31.o1.np	Method	AAT/NAP
Start	404	End	2185
GI	4680203	Score	1002
Exons	404..2009, 2167..2185		

GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No.	35629	Seq. ID	OJ990318_05.9A03.C31
Gene No.	73537	Strand	+
Start	404	End	2185
Name	OJ990318_05.9A03.C31.o1.gs	Method	GENSCAN
Start	637	End	2005
GI	none	Score	.45
Exons	637..855, 1014..1359, 1500..1601, 1860..2005		

Seq. No.	35629	Seq. ID	OJ990318_05.9A03.C31
Gene No.	73537	Strand	+
Start	404	End	2185
Name	OJ990318_05.9A03.C31.o1.tc	Method	TBLASTX:Cress
Start	1139	End	1466
GI	none	Score	320
Exons	1139..1291, 1143..1466, 1331..1387		

Seq. No.	35629	Seq. ID	OJ990318_05.9A03.C31
Gene No.	73537	Strand	+
Start	404	End	2185
Name	OJ990318_05.9A03.C31.o2.ts	Method	TBLASTX:Soybean
Start	1143	End	1403
GI	none	Score	220
Exons	1143..1403, 1148..1384, 1170..1394		

Seq. No.	35629	Seq. ID	OJ990318_05.9A03.C31
Gene No.	73537	Strand	+
Start	404	End	2185
Name	OJ990318_05.9A03.C31.o1.tw	Method	TBLASTX:Wheat
Start	1272	End	1737
GI	none	Score	60
Exons	1272..1328, 1280..1336, 1316..1423, 1326..1430, 1437..1478, 1439..1465, 1445..1531, 1468..1533, 1474..1533, 1577..1732, 1580..1732, 1630..1737		

Seq. No.	35629	Seq. ID	OJ990318_05.9A03.C31
Gene No.	73537	Strand	+
Start	404	End	2185
Name	OJ990318_05.9A03.C31.o1.tm	Method	TBLASTX:Maize
Start	1323	End	1771
GI	none	Score	145
Exons	1323..1460, 1328..1465, 1329..1472, 1445..1570, 1477..1569, 1579..1770, 1580..1771		

Seq. No.	35629	Seq. ID	OJ990318_05.9A03.C31
Gene No.	73537	Strand	+
Start	404	End	2185
Name	OJ990318_05.9A03.C31.o1.ts	Method	TBLASTX:Soybean
Start	1606	End	1840
GI	none	Score	222
Exons	1606..1761, 1607..1840, 1634..1831		

Seq. No.	35630	Seq. ID	OJ990318_05.9A03.C32
Gene No.	73538	Strand	+
Start	1	End	272
Name	OJ990318_05.9A03.C32.o1.np	Method	AAT/NAP

Start	1	End	272
GI	5922623	Score	48
Exons	1..29, 197..272		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	35631	Seq. ID	OJ990318_05.9A03.C33
Gene No.	73539	Strand	+
Start	447	End	684
Name	OJ990318_05.9A03.C33.o1.gs	Method	GENSCAN
Start	447	End	616
GI	none	Score	.61
Exons	447..616		

Seq. No.	35631	Seq. ID	OJ990318_05.9A03.C33
Gene No.	73539	Strand	+
Start	447	End	684
Name	OJ990318_05.9A03.C33.o1.np	Method	AAT/NAP
Start	486	End	684
GI	5902448	Score	250
Exons	486..684		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	35632	Seq. ID	OJ990318_05.9A03.C35
Gene No.	73540	Strand	+
Start	1	End	705
Name	OJ990318_05.9A03.C35.o1.np	Method	AAT/NAP
Start	1	End	705
GI	4234854	Score	907
Exons	1..705		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	35632	Seq. ID	OJ990318_05.9A03.C35
Gene No.	73540	Strand	+
Start	1	End	705
Name	OJ990318_05.9A03.C35.o1.tm	Method	TBLASTX:Maize
Start	19	End	327
GI	none	Score	255
Exons	19..327, 69..326		

Seq. No.	35632	Seq. ID	OJ990318_05.9A03.C35
Gene No.	73540	Strand	+
Start	1	End	705
Name	OJ990318_05.9A03.C35.o1.ts	Method	TBLASTX:Soybean
Start	19	End	456
GI	5509260	Score	321
Exons	19..456, 108..377		
GI Descrip.	-		

Seq. No.	35632	Seq. ID	OJ990318_05.9A03.C35
Gene No.	73540	Strand	+
Start	1	End	705
Name	OJ990318_05.9A03.C35.o1.gs	Method	GENSCAN
Start	31	End	303
GI	none	Score	.42
Exons	31..303		

Seq. No.	35632	Seq. ID	OJ990318_05.9A03.C35
Gene No.	73540	Strand	+
Start	1	End	705
Name	OJ990318_05.9A03.C35.o1.tc	Method	TBLASTX:Cress
Start	106	End	357
GI	none	Score	230
Exons	106..357, 108..344		

Seq. No.	35632	Seq. ID	OJ990318_05.9A03.C35
Gene No.	73540	Strand	+
Start	1	End	705
Name	OJ990318_05.9A03.C35.o1.tw	Method	TBLASTX:Wheat
Start	147	End	705
GI	none	Score	326
Exons	147..494, 148..492, 148..501, 640..705	477..614, 478..564, 591..704,	

Seq. No.	35633	Seq. ID	OJ990318_05.9A03.C39
Gene No.	73541	Strand	-
Start	1	End	1385
Name	OJ990318_05.9A03.C39.o1.np	Method	AAT/NAP
Start	1	End	1246
GI	4680203	Score	536
Exons	1..92, 481..1246		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	35633	Seq. ID	OJ990318_05.9A03.C39
Gene No.	73541	Strand	-
Start	1	End	1385
Name	OJ990318_05.9A03.C39.o1.gs	Method	GENSCAN
Start	335	End	1306
GI	none	Score	.82
Exons	335..1306		

Seq. No.	35633	Seq. ID	OJ990318_05.9A03.C39
Gene No.	73541	Strand	-
Start	1	End	1385
Name	OJ990318_05.9A03.C39.o1.tw	Method	TBLASTX:Wheat
Start	389	End	1385
GI	none	Score	75
Exons	389..508, 509..613, 522..614, 688..729, 722..886, 753..893, 1347..1385	632..685, 648..680, 686..736, 917..1099, 1014..1058, 1094..1333,	

Seq. No.	35633	Seq. ID	OJ990318_05.9A03.C39
Gene No.	73541	Strand	-
Start	1	End	1385
Name	OJ990318_05.9A03.C39.o1.ts	Method	TBLASTX:Soybean
Start	452	End	700
GI	none	Score	83
Exons	452..700, 519..698		

Seq. No.	35633	Seq. ID	OJ990318_05.9A03.C39
Gene No.	73541	Strand	-
Start	1	End	1385
Name	OJ990318_05.9A03.C39.o1.tc	Method	TBLASTX:Cress

Start	926	End	1333
GI	none	Score	207
Exons	926..1099, 1094..1333		

Seq. No.	35634	Seq. ID	OJ990318_05.9A03.C40
Gene No.	73542	Strand	+
Start	468	End	588
Name	OJ990318_05.9A03.C40.o1.gp	Method	AAT/GAP
Start	468	End	588
GI	5867_1.R1084	Score	150
Exons	468..588		
GI Descrip.	'464986/sp\|P35132\|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	35635	Seq. ID	OJ990318_04.9A08.C1
Gene No.	73543	Strand	-
Start	1	End	483
Name	OJ990318_04.9A08.C1.o1.np	Method	AAT/NAP
Start	1	End	483
GI	1184077	Score	328
Exons	1..483		
GI Descrip.	(U42445) Cf-2.2 [Lycopersicon pimpinellifolium]		

Seq. No.	35635	Seq. ID	OJ990318_04.9A08.C1
Gene No.	73543	Strand	-
Start	1	End	483
Name	OJ990318_04.9A08.C1.o1.gs	Method	GENSCAN
Start	72	End	410
GI	none	Score	.61
Exons	72..410		

Seq. No.	35636	Seq. ID	OJ990318_04.9A08.C2
Gene No.	73544	Strand	+
Start	176	End	418
Name	OJ990318_04.9A08.C2.o1.gs	Method	GENSCAN
Start	176	End	418
GI	none	Score	.49
Exons	176..418		

Seq. No.	35637	Seq. ID	OJ990318_04.9A08.C6
Gene No.	73545	Strand	+
Start	168	End	283
Name	OJ990318_04.9A08.C6.o1.gs	Method	GENSCAN
Start	168	End	283
GI	none	Score	.98
Exons	168..283		

Seq. No.	35638	Seq. ID	OJ990318_04.9A08.C7
Gene No.	73546	Strand	-
Start	229	End	1121
Name	OJ990318_04.9A08.C7.o1.np	Method	AAT/NAP
Start	223	End	1121

GI	6522590	Score	565
Exons	223..377, 423..1121		
GI Descrip.	(AL133292) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	35638	Seq. ID	OJ990318_04.9A08.C7
Gene No.	73546	Strand	-
Start	229	End	1121
Name	OJ990318_04.9A08.C7.o1.gs	Method	GENSCAN
Start	229	End	1080
GI	none	Score	.67
Exons	229..1080		

Seq. No.	35638	Seq. ID	OJ990318_04.9A08.C7
Gene No.	73546	Strand	-
Start	229	End	1121
Name	OJ990318_04.9A08.C7.o2.tm	Method	TBLASTX:Maize
Start	247	End	631
GI	none	Score	82
Exons	247..369, 442..630, 479..631		

Seq. No.	35638	Seq. ID	OJ990318_04.9A08.C7
Gene No.	73546	Strand	-
Start	229	End	1121
Name	OJ990318_04.9A08.C7.o1.ts	Method	TBLASTX:Soybean
Start	442	End	1120
GI	none	Score	88
Exons	442..669, 548..652, 643..885, 719..805, 907..1119, 944..1120		

Seq. No.	35638	Seq. ID	OJ990318_04.9A08.C7
Gene No.	73546	Strand	-
Start	229	End	1121
Name	OJ990318_04.9A08.C7.o1.tc	Method	TBLASTX:Cress
Start	517	End	1083
GI	none	Score	59
Exons	517..672, 545..673, 715..882, 716..814, 927..977, 1003..1083		

Seq. No.	35638	Seq. ID	OJ990318_04.9A08.C7
Gene No.	73546	Strand	-
Start	229	End	1121
Name	OJ990318_04.9A08.C7.o1.tw	Method	TBLASTX:Wheat
Start	538	End	951
GI	none	Score	81
Exons	538..678, 548..667, 694..867, 710..823, 931..951		

Seq. No.	35638	Seq. ID	OJ990318_04.9A08.C7
Gene No.	73546	Strand	-
Start	229	End	1121
Name	OJ990318_04.9A08.C7.o1.tm	Method	TBLASTX:Maize
Start	634	End	1104
GI	none	Score	115
Exons	634..678, 697..882, 698..808, 925..1104, 926..1099		

Seq. No.	35639	Seq. ID	OJ990318_04.9A08.C8
Gene No.	73547	Strand	+
Start	169	End	280
Name	OJ990318_04.9A08.C8.o1.gs	Method	GENSCAN
Start	169	End	280

GI	none	Score	.62
Exons	169..280		
Seq. No.	35640	Seq. ID	OJ990318_04.9A08.C9
Gene No.	73548	Strand	-
Start	68	End	238
Name	OJ990318_04.9A08.C9.o1.gs	Method	GENSCAN
Start	68	End	238
GI	none	Score	.42
Exons	68..238		
Seq. No.	35641	Seq. ID	OJ990318_04.9A08.C10
Gene No.	73549	Strand	-
Start	35	End	371
Name	OJ990318_04.9A08.C10.o1.gs	Method	GENSCAN
Start	35	End	371
GI	none	Score	.95
Exons	35..316, 350..371		
Seq. No.	35642	Seq. ID	OJ990318_04.9A08.C12
Gene No.	73550	Strand	-
Start	1	End	567
Name	OJ990318_04.9A08.C12.o1.np	Method	AAT/NAP
Start	1	End	567
GI	6539553	Score	935
Exons	1..567		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	35642	Seq. ID	OJ990318_04.9A08.C12
Gene No.	73550	Strand	-
Start	1	End	567
Name	OJ990318_04.9A08.C12.o1.tw	Method	TBLASTX:Wheat
Start	25	End	501
GI	none	Score	355
Exons	25..411, 63..410, 426..500, 428..499, 430..501		
Seq. No.	35642	Seq. ID	OJ990318_04.9A08.C12
Gene No.	73550	Strand	-
Start	1	End	567
Name	OJ990318_04.9A08.C12.o1.gs	Method	GENSCAN
Start	99	End	227
GI	none	Score	.49
Exons	99..227		
Seq. No.	35642	Seq. ID	OJ990318_04.9A08.C12
Gene No.	73550	Strand	-
Start	1	End	567
Name	OJ990318_04.9A08.C12.o1.ts	Method	TBLASTX:Soybean
Start	138	End	512
GI	none	Score	114
Exons	138..362, 381..512		
Seq. No.	35642	Seq. ID	OJ990318_04.9A08.C12
Gene No.	73550	Strand	-

Start	1	End	567
Name	OJ990318_04.9A08.C12.o1.tm	Method	TBLASTX:Maize
Start	369	End	566
GI	none	Score	165
Exons	369..566, 370..552, 372..566		

Seq. No.	35643	Seq. ID	OJ990318_04.9A08.C17
Gene No.	73551	Strand	
Start	273	End	547
Name	OJ990318_04.9A08.C17.o1.tm	Method	TBLASTX:Maize
Start	273	End	547
GI	none	Score	111
Exons	273..383, 283..384, 298..384, 476..547	299..385, 474..545, 475..546,	

Seq. No.	35643	Seq. ID	OJ990318_04.9A08.C17
Gene No.	73551	Strand	
Start	273	End	547
Name	OJ990318_04.9A08.C17.o1.ts	Method	TBLASTX:Soybean
Start	273	End	546
GI	none	Score	97
Exons	273..383, 275..382, 298..387,	299..388, 474..545, 475..546	

Seq. No.	35644	Seq. ID	OJ990318_04.9A08.C19
Gene No.	73552	Strand	-
Start	79	End	367
Name	OJ990318_04.9A08.C19.o1.gs	Method	GENSCAN
Start	79	End	367
GI	none	Score	.55
Exons	79..228, 266..367		

Seq. No.	35645	Seq. ID	OJ990318_04.9A08.C20
Gene No.	73553	Strand	-
Start	823	End	1159
Name	OJ990318_04.9A08.C20.o1.gs	Method	GENSCAN
Start	823	End	1159
GI	none	Score	.54
Exons	823..939, 981..1159		

Seq. No.	35646	Seq. ID	OJ990318_04.9A08.C21
Gene No.	73554	Strand	+
Start	250	End	8814
Name	OJ990318_04.9A08.C21.o1.gs	Method	GENSCAN
Start	250	End	8814
GI	none	Score	.49
Exons	250..348, 1065..1095, 1646..1717, 2061..2456, 2863..2920, 3115..3214, 3303..3350, 3528..7448, 8250..8384, 8541..8715, 8767..8814		

Seq. No.	35646	Seq. ID	OJ990318_04.9A08.C21
Gene No.	73554	Strand	+
Start	250	End	8814
Name	OJ990318_04.9A08.C21.o4.tw	Method	TBLASTX:Wheat
Start	3538	End	3924
GI	none	Score	347
Exons	3538..3924, 3549..3923		

Seq. No.	35646	Seq. ID	OJ990318_04.9A08.C21
Gene No.	73554	Strand	+
Start	250	End	8814
Name	OJ990318_04.9A08.C21.o1.np	Method	AAT/NAP
Start	3544	End	7449
GI	6539553	Score	6720
Exons	3544..7449		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	35646	Seq. ID	OJ990318_04.9A08.C21
Gene No.	73554	Strand	+
Start	250	End	8814
Name	OJ990318_04.9A08.C21.o2.tm	Method	TBLASTX:Maize
Start	3673	End	3986
GI	none	Score	366
Exons	3673..3984, 3681..3986		

Seq. No.	35646	Seq. ID	OJ990318_04.9A08.C21
Gene No.	73554	Strand	+
Start	250	End	8814
Name	OJ990318_04.9A08.C21.o1.tm	Method	TBLASTX:Maize
Start	4485	End	4807
GI	none	Score	262
Exons	4485..4739, 4492..4806, 4512..4805, 4640..4807		

Seq. No.	35646	Seq. ID	OJ990318_04.9A08.C21
Gene No.	73554	Strand	+
Start	250	End	8814
Name	OJ990318_04.9A08.C21.o5.ts	Method	TBLASTX:Soybean
Start	4834	End	5220
GI	none	Score	84
Exons	4834..4989, 4972..5220		

Seq. No.	35646	Seq. ID	OJ990318_04.9A08.C21
Gene No.	73554	Strand	+
Start	250	End	8814
Name	OJ990318_04.9A08.C21.o5.tm	Method	TBLASTX:Maize
Start	5008	End	5442
GI	none	Score	303
Exons	5008..5442, 5217..5417		

Seq. No.	35646	Seq. ID	OJ990318_04.9A08.C21
Gene No.	73554	Strand	+
Start	250	End	8814
Name	OJ990318_04.9A08.C21.o5.tw	Method	TBLASTX:Wheat
Start	5085	End	5277
GI	none	Score	131
Exons	5085..5276, 5086..5277, 5086..5277		

Seq. No.	35646	Seq. ID	OJ990318_04.9A08.C21
Gene No.	73554	Strand	+
Start	250	End	8814
Name	OJ990318_04.9A08.C21.o2.ts	Method	TBLASTX:Soybean
Start	5230	End	5628

GI	none	Score	197
Exons	5230..5454, 5238..5408, 5455..5628, 5463..5501		

Seq. No.	35646	Seq. ID	OJ990318_04.9A08.C21
Gene No.	73554	Strand	+
Start	250	End	8814
Name	OJ990318_04.9A08.C21.o2.tc	Method	TBLASTX:Cress
Start	5263	End	5652
GI	none	Score	112
Exons	5263..5445, 5458..5652		

Seq. No.	35646	Seq. ID	OJ990318_04.9A08.C21
Gene No.	73554	Strand	+
Start	250	End	8814
Name	OJ990318_04.9A08.C21.o1.tw	Method	TBLASTX:Wheat
Start	5278	End	6033
GI	none	Score	634
Exons	5278..5742, 5286..5765, 5786..6016, 5794..6033, 5816..6013, 5844..6032		

Seq. No.	35646	Seq. ID	OJ990318_04.9A08.C21
Gene No.	73554	Strand	+
Start	250	End	8814
Name	OJ990318_04.9A08.C21.o1.ts	Method	TBLASTX:Soybean
Start	5953	End	6417
GI	5509260	Score	383
Exons	5953..6417, 6054..6122, 6171..6266, 6339..6398		
GI Descrip.	-		

Seq. No.	35646	Seq. ID	OJ990318_04.9A08.C21
Gene No.	73554	Strand	+
Start	250	End	8814
Name	OJ990318_04.9A08.C21.o1.tc	Method	TBLASTX:Cress
Start	6046	End	6306
GI	none	Score	286
Exons	6046..6306, 6048..6125		

Seq. No.	35646	Seq. ID	OJ990318_04.9A08.C21
Gene No.	73554	Strand	+
Start	250	End	8814
Name	OJ990318_04.9A08.C21.o3.tm	Method	TBLASTX:Maize
Start	6087	End	6552
GI	none	Score	362
Exons	6087..6269, 6088..6552, 6103..6405, 6339..6449		

Seq. No.	35646	Seq. ID	OJ990318_04.9A08.C21
Gene No.	73554	Strand	+
Start	250	End	8814
Name	OJ990318_04.9A08.C21.o3.tw	Method	TBLASTX:Wheat
Start	6088	End	6633
GI	none	Score	319
Exons	6088..6432, 6235..6408, 6427..6633, 6501..6623		

Seq. No.	35646	Seq. ID	OJ990318_04.9A08.C21
Gene No.	73554	Strand	+
Start	250	End	8814
Name	OJ990318_04.9A08.C21.o3.ts	Method	TBLASTX:Soybean

Start	6486	End	6831
GI	none	Score	306
Exons	6486..6686, 6487..6831		

Seq. No.	35646	Seq. ID	OJ990318_04.9A08.C21
Gene No.	73554	Strand	+
Start	250	End	8814
Name	OJ990318_04.9A08.C21.o4.tm	Method	TBLASTX:Maize
Start	6642	End	6981
GI	none	Score	310
Exons	6642..6980, 6643..6981		

Seq. No.	35646	Seq. ID	OJ990318_04.9A08.C21
Gene No.	73554	Strand	+
Start	250	End	8814
Name	OJ990318_04.9A08.C21.o2.tw	Method	TBLASTX:Wheat
Start	6837	End	7313
GI	none	Score	101
Exons	6837..6908, 6838..6912, 6926..7234, 6927..7313, 6928..7275		

Seq. No.	35646	Seq. ID	OJ990318_04.9A08.C21
Gene No.	73554	Strand	+
Start	250	End	8814
Name	OJ990318_04.9A08.C21.o4.ts	Method	TBLASTX:Soybean
Start	6844	End	7185
GI	none	Score	91
Exons	6844..6957, 6870..6950, 6976..7185, 6981..7106		

Seq. No.	35647	Seq. ID	OJ990318_04.9A08.C22
Gene No.	73555	Strand	+
Start	1	End	3272
Name	OJ990318_04.9A08.C22.o2.np	Method	AAT/NAP
Start	1	End	3272
GI	6606266	Score	393
Exons	1..27, 516..2620, 2832..2937, 3061..3272		
GI Descrip.	(AF158634) Vrga1 [Triticum ventricosum]		

Seq. No.	35647	Seq. ID	OJ990318_04.9A08.C22
Gene No.	73555	Strand	+
Start	1	End	3272
Name	OJ990318_04.9A08.C22.o1.tc	Method	TBLASTX:Cress
Start	359	End	1029
GI	none	Score	126
Exons	359..496, 360..521, 501..557, 684..731, 766..885, 901..1029		

Seq. No.	35647	Seq. ID	OJ990318_04.9A08.C22
Gene No.	73555	Strand	+
Start	1	End	3272
Name	OJ990318_04.9A08.C22.o2.ts	Method	TBLASTX:Soybean
Start	389	End	740
GI	none	Score	63
Exons	389..439, 390..449, 459..503, 461..502, 504..593, 612..740		

Seq. No.	35647	Seq. ID	OJ990318_04.9A08.C22
Gene No.	73555	Strand	+
Start	1	End	3272
Name	OJ990318_04.9A08.C22.o1.np	Method	AAT/NAP

Start	396	End	1098
GI	2792240	Score	602
Exons	396..1098		
GI Descrip.	(AF032698) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	35647	Seq. ID	OJ990318_04.9A08.C22
Gene No.	73555	Strand	+
Start	1	End	3272
Name	OJ990318_04.9A08.C22.o1.tm	Method	TBLASTX:Maize
Start	615	End	1155
GI	none	Score	49
Exons	615..662, 763..1155, 768..995, 862..1041		

Seq. No.	35647	Seq. ID	OJ990318_04.9A08.C22
Gene No.	73555	Strand	+
Start	1	End	3272
Name	OJ990318_04.9A08.C22.o1.ts	Method	TBLASTX:Soybean
Start	783	End	1818
GI	none	Score	241
Exons	783..995, 784..1041, 1150..1269, 1717..1818		

Seq. No.	35648	Seq. ID	OJ990318_04.9A08.C23
Gene No.	73556	Strand	-
Start	1590	End	2061
Name	OJ990318_04.9A08.C23.o1.gs	Method	GENSCAN
Start	1590	End	1889
GI	none	Score	.76
Exons	1590..1889		

Seq. No.	35648	Seq. ID	OJ990318_04.9A08.C23
Gene No.	73556	Strand	-
Start	1590	End	2061
Name	OJ990318_04.9A08.C23.o1.np	Method	AAT/NAP
Start	1593	End	2061
GI	3645899	Score	521
Exons	1593..2061		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	35648	Seq. ID	OJ990318_04.9A08.C23
Gene No.	73556	Strand	-
Start	1590	End	2061
Name	OJ990318_04.9A08.C23.o1.tc	Method	TBLASTX:Cress
Start	1611	End	1976
GI	none	Score	74
Exons	1611..1856, 1708..1824, 1845..1976		

Seq. No.	35648	Seq. ID	OJ990318_04.9A08.C23
Gene No.	73556	Strand	-
Start	1590	End	2061
Name	OJ990318_04.9A08.C23.o1.tm	Method	TBLASTX:Maize
Start	1611	End	2061
GI	none	Score	306
Exons	1611..2060, 1621..2061		

Seq. No.	35648	Seq. ID	OJ990318_04.9A08.C23
Gene No.	73556	Strand	-
Start	1590	End	2061

Name	OJ990318_04.9A08.C23.o1.ts	Method	TBLASTX:Soybean
Start	1617	End	2061
GI	none	Score	62
Exons	1617..1841, 1657..1827, 1860..2060, 1918..2061		

Seq. No.	35648	Seq. ID	OJ990318_04.9A08.C23
Gene No.	73556	Strand	-
Start	1590	End	2061
Name	OJ990318_04.9A08.C23.o1.tw	Method	TBLASTX:Wheat
Start	1656	End	2060
GI	none	Score	76
Exons	1656..1832, 1656..1832, 1851..2060		

Seq. No.	35649	Seq. ID	OJ990318_04.9A08.C26
Gene No.	73557	Strand	+
Start	1	End	595
Name	OJ990318_04.9A08.C26.o1.np	Method	AAT/NAP
Start	1	End	595
GI	629800	Score	177
Exons	1..23, 315..595		
GI Descrip.	pir7b protein - rice gi\|498747\|emb\|CAA84024\| (Z34270) Pir7b [Oryza sativa]		

Seq. No.	35649	Seq. ID	OJ990318_04.9A08.C26
Gene No.	73557	Strand	+
Start	1	End	595
Name	OJ990318_04.9A08.C26.o1.gs	Method	GENSCAN
Start	285	End	503
GI	none	Score	.72
Exons	285..503		

Seq. No.	35650	Seq. ID	OJ990318_04.9A08.C28
Gene No.	73558	Strand	-
Start	2915	End	3816
Name	OJ990318_04.9A08.C28.o2.ts	Method	TBLASTX:Soybean
Start	2909	End	3176
GI	none	Score	39
Exons	2909..2986, 2910..2969, 3020..3175, 3036..3176		

Seq. No.	35650	Seq. ID	OJ990318_04.9A08.C28
Gene No.	73558	Strand	-
Start	2915	End	3816
Name	OJ990318_04.9A08.C28.o1.np	Method	AAT/NAP
Start	2915	End	3800
GI	2642431	Score	634
Exons	2915..3800		
GI Descrip.	(AC002391) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	35650	Seq. ID	OJ990318_04.9A08.C28
Gene No.	73558	Strand	-
Start	2915	End	3816
Name	OJ990318_04.9A08.C28.o1.tw	Method	TBLASTX:Wheat
Start	3134	End	3677
GI	none	Score	245
Exons	3134..3241, 3243..3341, 3333..3677		

Seq. No.	35650	Seq. ID	OJ990318_04.9A08.C28
Gene No.	73558	Strand	-
Start	2915	End	3816
Name	OJ990318_04.9A08.C28.o1.tm	Method	TBLASTX:Maize
Start	3246	End	3680
GI	none	Score	67
Exons	3246..3677, 3358..3519, 3588..3680		

Seq. No.	35650	Seq. ID	OJ990318_04.9A08.C28
Gene No.	73558	Strand	-
Start	2915	End	3816
Name	OJ990318_04.9A08.C28.o1.ts	Method	TBLASTX:Soybean
Start	3366	End	3816
GI	5509260	Score	162
Exons	3366..3677, 3367..3816		
GI Descrip.	-		

Seq. No.	35650	Seq. ID	OJ990318_04.9A08.C28
Gene No.	73558	Strand	-
Start	2915	End	3816
Name	OJ990318_04.9A08.C28.o1.tc	Method	TBLASTX:Cress
Start	3459	End	3717
GI	none	Score	107
Exons	3459..3686, 3468..3695, 3496..3714, 3673..3717		

Seq. No.	35651	Seq. ID	OJ990318_04.9A08.C29
Gene No.	73559	Strand	+
Start	1357	End	2084
Name	OJ990318_04.9A08.C29.o1.gs	Method	GENSCAN
Start	1357	End	2084
GI	none	Score	.44
Exons	1357..1580, 1637..1676, 1804..1845, 1917..2084		

Seq. No.	35652	Seq. ID	OJ990318_04.9A08.C30
Gene No.	73560	Strand	+
Start	582	End	3027
Name	OJ990318_04.9A08.C30.o1.gs	Method	GENSCAN
Start	582	End	3027
GI	none	Score	.63
Exons	582..938, 1646..2008, 2141..2531, 2836..3027		

Seq. No.	35652	Seq. ID	OJ990318_04.9A08.C30
Gene No.	73560	Strand	+
Start	582	End	3027
Name	OJ990318_04.9A08.C30.o1.tc	Method	TBLASTX:Cress
Start	1931	End	2518
GI	none	Score	125
Exons	1931..2098, 1936..2115, 2135..2206, 2219..2296, 2321..2377, 2417..2518		

Seq. No.	35652	Seq. ID	OJ990318_04.9A08.C30
Gene No.	73560	Strand	+
Start	582	End	3027
Name	OJ990318_04.9A08.C30.o1.ts	Method	TBLASTX:Soybean
Start	1951	End	2485
GI	none	Score	84
Exons	1951..2007, 1952..2020, 1994..2017, 2021..2116, 2037..2075,		

2135..2242, 2243..2485

Seq. No.	35652	Seq. ID	OJ990318_04.9A08.C30
Gene No.	73560	Strand	+
Start	582	End	3027
Name	OJ990318_04.9A08.C30.o1.np	Method	AAT/NAP
Start	1958	End	2746
GI	2792240	Score	718
Exons	1958..2746		
GI Descrip.	(AF032698) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	35652	Seq. ID	OJ990318_04.9A08.C30
Gene No.	73560	Strand	+
Start	582	End	3027
Name	OJ990318_04.9A08.C30.o1.tm	Method	TBLASTX:Maize
Start	2267	End	2716
GI	none	Score	247
Exons	2267..2716, 2413..2688		

Seq. No.	35652	Seq. ID	OJ990318_04.9A08.C30
Gene No.	73560	Strand	+
Start	582	End	3027
Name	OJ990318_04.9A08.C30.o2.ts	Method	TBLASTX:Soybean
Start	2486	End	2903
GI	none	Score	155
Exons	2486..2728, 2714..2773, 2796..2903		

Seq. No.	35653	Seq. ID	OJ990318_04.9A08.C31
Gene No.	73561	Strand	+
Start	1	End	1166
Name	OJ990318_04.9A08.C31.o1.np	Method	AAT/NAP
Start	1	End	1166
GI	4689223	Score	166
Exons	1..347, 408..829, 1146..1166		
GI Descrip.	(AF118127) disease resistance protein I2 [Lycopersicon esculentum]		

Seq. No.	35653	Seq. ID	OJ990318_04.9A08.C31
Gene No.	73561	Strand	+
Start	1	End	1166
Name	OJ990318_04.9A08.C31.o1.gs	Method	GENSCAN
Start	2	End	761
GI	none	Score	.97
Exons	2..761		

Seq. No.	35654	Seq. ID	OJ990318_04.9A08.C36
Gene No.	73562	Strand	-
Start	533	End	730
Name	OJ990318_04.9A08.C36.o1.gs	Method	GENSCAN
Start	533	End	730
GI	none	Score	.44
Exons	533..730		

Seq. No.	35655	Seq. ID	OJ990318_04.9A08.C37
Gene No.	73563	Strand	+
Start	428	End	2236
Name	OJ990318_04.9A08.C37.o1.gs	Method	GENSCAN

Start	428	End	1722
GI	none	Score	.97
Exons	428..787, 874..1722		

Seq. No.	35655	Seq. ID	OJ990318_04.9A08.C37
Gene No.	73563	Strand	+
Start	428	End	2236
Name	OJ990318_04.9A08.C37.o1.np	Method	AAT/NAP
Start	1180	End	1973
GI	2792240	Score	845
Exons	1180..1973		
GI Descrip.	(AF032698) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	35655	Seq. ID	OJ990318_04.9A08.C37
Gene No.	73563	Strand	+
Start	428	End	2236
Name	OJ990318_04.9A08.C37.o1.gp	Method	AAT/GAP
Start	1865	End	2236
GI	97536_1.R1084	Score	680
Exons	1865..2236		
GI Descrip.	'5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	35655	Seq. ID	OJ990318_04.9A08.C37
Gene No.	73564	Strand	+
Start	5682	End	10772
Name	OJ990318_04.9A08.C37.o1.tc	Method	TBLASTX:Cress
Start	1152	End	7263
GI	none	Score	141
Exons	1152..1307, 1153..1311, 1357..1428, 1432..1605, 1805..1879, 7000..7107, 7144..7263		

Seq. No.	35655	Seq. ID	OJ990318_04.9A08.C37
Gene No.	73564	Strand	+
Start	5682	End	10772
Name	OJ990318_04.9A08.C37.o2.ts	Method	TBLASTX:Soybean
Start	1173	End	7212
GI	none	Score	67
Exons	1173..1226, 1174..1233, 1243..1338, 1345..1677, 1360..1446, 7078..7212		

Seq. No.	35655	Seq. ID	OJ990318_04.9A08.C37
Gene No.	73564	Strand	+
Start	5682	End	10772
Name	OJ990318_04.9A08.C37.o3.tm	Method	TBLASTX:Maize
Start	1486	End	7377
GI	none	Score	52
Exons	1486..1533, 1546..1677, 1703..1876, 7048..7377, 7140..7295		

Seq. No.	35655	Seq. ID	OJ990318_04.9A08.C37
Gene No.	73564	Strand	+
Start	5682	End	10772
Name	OJ990318_04.9A08.C37.o1.tm	Method	TBLASTX:Maize
Start	3611	End	10760
GI	none	Score	69
Exons	3611..3922, 3914..3982, 10665..10760		

Seq. No.	35655	Seq. ID	OJ990318_04.9A08.C37
Gene No.	73564	Strand	+
Start	5682	End	10772
Name	OJ990318_04.9A08.C37.o2.tw	Method	TBLASTX:Wheat
Start	3674	End	10772
GI	none	Score	55
Exons	3674..3754, 10437..10655, 10591..10656, 10662..10772		

Seq. No.	35655	Seq. ID	OJ990318_04.9A08.C37
Gene No.	73564	Strand	+
Start	5682	End	10772
Name	OJ990318_04.9A08.C37.o3.np	Method	AAT/NAP
Start	5682	End	7474
GI	2792240	Score	385
Exons	5682..5723, 7001..7474		
GI Descrip.	(AF032698) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	35655	Seq. ID	OJ990318_04.9A08.C37
Gene No.	73565	Strand	
Start	11050	End	11573
Name	OJ990318_04.9A08.C37.o2.tm	Method	TBLASTX:Maize
Start	11050	End	11465
GI	none	Score	87
Exons	11050..11238, 11191..11409, 11224..11421, 11436..11465		

Seq. No.	35655	Seq. ID	OJ990318_04.9A08.C37
Gene No.	73565	Strand	
Start	11050	End	11573
Name	OJ990318_04.9A08.C37.o1.tw	Method	TBLASTX:Wheat
Start	11062	End	11573
GI	none	Score	57
Exons	11062..11160, 11239..11406, 11251..11400, 11412..11573		

Seq. No.	35655	Seq. ID	OJ990318_04.9A08.C37
Gene No.	73565	Strand	
Start	11050	End	11573
Name	OJ990318_04.9A08.C37.o1.ts	Method	TBLASTX:Soybean
Start	11236	End	11573
GI	none	Score	128
Exons	11236..11406, 11409..11573		

Seq. No.	35656	Seq. ID	OJ990318_04.9A08.C38
Gene No.	73566	Strand	-
Start	19	End	259
Name	OJ990318_04.9A08.C38.o1.gs	Method	GENSCAN
Start	19	End	259
GI	none	Score	.99
Exons	19..259		

Seq. No.	35657	Seq. ID	OJ990318_04.9A08.C39
Gene No.	73567	Strand	+
Start	990	End	1950
Name	OJ990318_04.9A08.C39.o1.gs	Method	GENSCAN
Start	990	End	1950
GI	none	Score	.46
Exons	990..1054, 1275..1437, 1876..1950		

Seq. No.	35657	Seq. ID	OJ990318_04.9A08.C39
Gene No.	73568	Strand	+
Start	7263	End	8194
Name	OJ990318_04.9A08.C39.o4.gs	Method	GENSCAN
Start	7263	End	8194
GI	none	Score	.98
Exons	7263..7901, 8138..8194		

Seq. No.	35657	Seq. ID	OJ990318_04.9A08.C39
Gene No.	73569	Strand	-
Start	1	End	5810
Name	OJ990318_04.9A08.C39.o1.np	Method	AAT/NAP
Start	1	End	5482
GI	2583130	Score	462
Exons	1..27, 2350..3598, 5447..5482		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	35657	Seq. ID	OJ990318_04.9A08.C39
Gene No.	73569	Strand	-
Start	1	End	5810
Name	OJ990318_04.9A08.C39.o1.tm	Method	TBLASTX:Maize
Start	2171	End	2968
GI	none	Score	74
Exons	2171..2275, 2197..2355, 2233..2352, 2342..2968, 2346..2720, 2348..2890, 2742..2966		

Seq. No.	35657	Seq. ID	OJ990318_04.9A08.C39
Gene No.	73569	Strand	-
Start	1	End	5810
Name	OJ990318_04.9A08.C39.o2.tw	Method	TBLASTX:Wheat
Start	2342	End	2668
GI	none	Score	69
Exons	2342..2482, 2343..2465, 2504..2668		

Seq. No.	35657	Seq. ID	OJ990318_04.9A08.C39
Gene No.	73569	Strand	-
Start	1	End	5810
Name	OJ990318_04.9A08.C39.o3.tw	Method	TBLASTX:Wheat
Start	2687	End	2914
GI	none	Score	109
Exons	2687..2914, 2742..2882		

Seq. No.	35657	Seq. ID	OJ990318_04.9A08.C39
Gene No.	73569	Strand	-
Start	1	End	5810
Name	OJ990318_04.9A08.C39.o2.tm	Method	TBLASTX:Maize
Start	3116	End	3713
GI	none	Score	199
Exons	3116..3175, 3291..3341, 3348..3713		

Seq. No.	35657	Seq. ID	OJ990318_04.9A08.C39
Gene No.	73569	Strand	-
Start	1	End	5810
Name	OJ990318_04.9A08.C39.o2.gs	Method	GENSCAN
Start	3128	End	3650
GI	none	Score	.69

Exons	3128..3288, 3347..3650		
Seq. No.	35657	Seq. ID	OJ990318_04.9A08.C39
Gene No.	73569	Strand	-
Start	1	End	5810
Name	OJ990318_04.9A08.C39.o1.tw	Method	TBLASTX:Wheat
Start	3294	End	3638
GI	none	Score	265
Exons	3294..3638		
Seq. No.	35657	Seq. ID	OJ990318_04.9A08.C39
Gene No.	73569	Strand	-
Start	1	End	5810
Name	OJ990318_04.9A08.C39.o3.gs	Method	GENSCAN
Start	4513	End	5810
GI	none	Score	.78
Exons	4513..4548, 5347..5441, 5447..5810		
Seq. No.	35657	Seq. ID	OJ990318_04.9A08.C39
Gene No.	73570	Strand	
Start	7368	End	7805
Name	OJ990318_04.9A08.C39.o3.tm	Method	TBLASTX:Maize
Start	7368	End	7805
GI	none	Score	95
Exons	7368..7577, 7572..7763, 7584..7805		
Seq. No.	35658	Seq. ID	OJ990318_04.9A08.C40
Gene No.	73571	Strand	+
Start	2475	End	4101
Name	OJ990318_04.9A08.C40.o1.np	Method	AAT/NAP
Start	2475	End	4101
GI	6539588	Score	219
Exons	2475..2761, 4037..4101		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	35658	Seq. ID	OJ990318_04.9A08.C40
Gene No.	73572	Strand	-
Start	255	End	8222
Name	OJ990318_04.9A08.C40.o1.gs	Method	GENSCAN
Start	255	End	8066
GI	none	Score	.73
Exons	255..286, 472..552, 1414..1513, 2733..2924, 3490..3668, 4113..4254, 4340..4660, 5084..5301, 5365..5653, 5880..5981, 6028..6135, 6228..6489, 6594..6892, 6973..7053, 7228..7386, 7473..7839, 7915..8066.		
Seq. No.	35658	Seq. ID	OJ990318_04.9A08.C40
Gene No.	73572	Strand	-
Start	255	End	8222
Name	OJ990318_04.9A08.C40.o2.np	Method	AAT/NAP
Start	3033	End	7704
GI	6069646	Score	235
Exons	3033..3250, 7643..7704		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248)		

[Oryza sativa]

Seq. No.	35658	Seq. ID	OJ990318_04.9A08.C40
Gene No.	73572	Strand	-
Start	255	End	8222
Name	OJ990318_04.9A08.C40.o3.np	Method	AAT/NAP
Start	5351	End	8222
GI	5441880	Score	1038
Exons	5351..5804, 6224..6489, 6594..6892, 7473..7806, 7915..8054, 8151..8222		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	35659	Seq. ID	OJ990318_04.9A08.C41
Gene No.	73573	Strand	-
Start	1	End	2762
Name	OJ990318_04.9A08.C41.o1.np	Method	AAT/NAP
Start	1	End	2651
GI	5441880	Score	1595
Exons	1..24, 535..904, 1164..1195, 1640..2651		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	35659	Seq. ID	OJ990318_04.9A08.C41
Gene No.	73573	Strand	-
Start	1	End	2762
Name	OJ990318_04.9A08.C41.o1.gs	Method	GENSCAN
Start	389	End	2762
GI	none	Score	.74
Exons	389..810, 983..2357, 2406..2762		

Seq. No.	35659	Seq. ID	OJ990318_04.9A08.C41
Gene No.	73573	Strand	-
Start	1	End	2762
Name	OJ990318_04.9A08.C41.o1.tw	Method	TBLASTX:Wheat
Start	1413	End	1788
GI	none	Score	67
Exons	1413..1586, 1424..1579, 1519..1587, 1611..1787, 1636..1788		

Seq. No.	35659	Seq. ID	OJ990318_04.9A08.C41
Gene No.	73573	Strand	-
Start	1	End	2762
Name	OJ990318_04.9A08.C41.o1.tm	Method	TBLASTX:Maize
Start	1488	End	2084
GI	none	Score	228
Exons	1488..1559, 1606..2079, 1617..2084		

Seq. No.	35660	Seq. ID	OJ990318_04.9A08.C42
Gene No.	73574	Strand	+
Start	968	End	1785
Name	OJ990318_04.9A08.C42.o1.tm	Method	TBLASTX:Maize
Start	965	End	1324
GI	none	Score	140
Exons	965..1117, 966..1088, 968..1279, 1150..1275, 1277..1324, 1277..1324		

Seq. No.	35660	Seq. ID	OJ990318_04.9A08.C42
Gene No.	73574	Strand	+
Start	968	End	1785
Name	OJ990318_04.9A08.C42.o1.gs	Method	GENSCAN
Start	968	End	1785
GI	none	Score	.47
Exons	968..1284, 1373..1514, 1642..1785		

Seq. No.	35660	Seq. ID	OJ990318_04.9A08.C42
Gene No.	73574	Strand	+
Start	968	End	1785
Name	OJ990318_04.9A08.C42.o1.tc	Method	TBLASTX:Cress
Start	968	End	1279
GI	none	Score	159
Exons	968..1132, 973..1092, 1174..1266, 1178..1279		

Seq. No.	35660	Seq. ID	OJ990318_04.9A08.C42
Gene No.	73574	Strand	+
Start	968	End	1785
Name	OJ990318_04.9A08.C42.o1.ts	Method	TBLASTX:Soybean
Start	968	End	1279
GI	none	Score	156
Exons	968..1132, 968..1117, 1171..1266, 1172..1279		

Seq. No.	35660	Seq. ID	OJ990318_04.9A08.C42
Gene No.	73574	Strand	+
Start	968	End	1785
Name	OJ990318_04.9A08.C42.o1.np	Method	AAT/NAP
Start	968	End	1377
GI	3128177	Score	200
Exons	968..1377		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	35661	Seq. ID	OJ990318_04.9A08.C43
Gene No.	73575	Strand	+
Start	1	End	3286
Name	OJ990318_04.9A08.C43.o1.np	Method	AAT/NAP
Start	1	End	3286
GI	6498434	Score	141
Exons	1..96, 839..911, 963..1140, 3242..3286		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	35661	Seq. ID	OJ990318_04.9A08.C43
Gene No.	73575	Strand	+
Start	1	End	3286
Name	OJ990318_04.9A08.C43.o1.gs	Method	GENSCAN
Start	140	End	1419
GI	none	Score	.98
Exons	140..207, 426..517, 758..1419		

Seq. No.	35661	Seq. ID	OJ990318_04.9A08.C43
Gene No.	73576	Strand	-
Start	1	End	13420
Name	OJ990318_04.9A08.C43.o2.np	Method	AAT/NAP
Start	1	End	4836
GI	5295968	Score	108

Exons	1..125, 2311..2411, 2680..2707, 2845..2972, 3075..3128, 4103..4221, 4555..4836		
GI Descrip.	(AB026295) ESTs C19441(E10423),C99201(E10423) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35661	Seq. ID	OJ990318_04.9A08.C43
Gene No.	73576	Strand	-
Start	1	End	13420
Name	OJ990318_04.9A08.C43.o3.np	Method	AAT/NAP
Start	25	End	10514
GI	6907090	Score	83
Exons	25..178, 4648..4795, 10256..10514		
GI Descrip.	(AP001129) Similar to Oryza sativa root-specific RCc3 mRNA. (L27208)		

Seq. No.	35661	Seq. ID	OJ990318_04.9A08.C43
Gene No.	73576	Strand	-
Start	1	End	13420
Name	OJ990318_04.9A08.C43.o2.gs	Method	GENSCAN
Start	3115	End	13420
GI	none	Score	.43
Exons	3115..3159, 4445..4461, 4605..4887, 5401..5449, 9988..10038, 10180..10299, 10362..10518, 11728..12211, 13274..13420		

Seq. No.	35661	Seq. ID	OJ990318_04.9A08.C43
Gene No.	73576	Strand	-
Start	1	End	13420
Name	OJ990318_04.9A08.C43.o1.gp	Method	AAT/GAP
Start	11318	End	11406
GI	LIB3477-003-P1-K1-E9	Score	101
Exons	11318..11406		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	35662	Seq. ID	OJ990318_04.9A08.C45
Gene No.	73577	Strand	-
Start	450	End	934
Name	OJ990318_04.9A08.C45.o1.gs	Method	GENSCAN
Start	450	End	934
GI	none	Score	.53
Exons	450..670, 787..934		

Seq. No.	35662	Seq. ID	OJ990318_04.9A08.C45
Gene No.	73578	Strand	-
Start	963	End	1108
Name	OJ990318_04.9A08.C45.o1.gp	Method	AAT/GAP
Start	963	End	1108
GI	21474_1.R1084	Score	242
Exons	963..1108		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	35663	Seq. ID	OJ990318_04.9A08.C46
Gene No.	73579	Strand	+
Start	242	End	384

Name	OJ990318_04.9A08.C46.o1.gp	Method	AAT/GAP
Start	242	End	384
GI	21474_1.R1084	Score	244
Exons	242..384		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	35663	Seq. ID	OJ990318_04.9A08.C46
Gene No.	73580	Strand	-
Start	848	End	4492
Name	OJ990318_04.9A08.C46.o1.np	Method	AAT/NAP
Start	800	End	4492
GI	4680204	Score	1023
Exons	800..934, 1285..1504, 1601..1774, 1884..2982, 3057..4492		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	35663	Seq. ID	OJ990318_04.9A08.C46
Gene No.	73580	Strand	-
Start	848	End	4492
Name	OJ990318_04.9A08.C46.o1.gs	Method	GENSCAN
Start	848	End	4411
GI	none	Score	9
Exons	848..964, 1044..1142, 1237..1309, 1394..1504, 1601..1774, 1884..2715, 2841..2982, 3057..3216, 3222..4411		

Seq. No.	35663	Seq. ID	OJ990318_04.9A08.C46
Gene No.	73580	Strand	-
Start	848	End	4492
Name	OJ990318_04.9A08.C46.o2.tw	Method	TBLASTX:Wheat
Start	1435	End	1957
GI	none	Score	60
Exons	1435..1506, 1606..1788, 1877..1957		

Seq. No.	35663	Seq. ID	OJ990318_04.9A08.C46
Gene No.	73580	Strand	-
Start	848	End	4492
Name	OJ990318_04.9A08.C46.o2.gp	Method	AAT/GAP
Start	1984	End	2465
GI	uC-osflcyp176f10b1	Score	844
Exons	1984..2465		
GI Descrip.	'6041757/gb\|AC011806.1\|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	35663	Seq. ID	OJ990318_04.9A08.C46
Gene No.	73580	Strand	-
Start	848	End	4492
Name	OJ990318_04.9A08.C46.o1.tw	Method	TBLASTX:Wheat
Start	3446	End	3849
GI	none	Score	74
Exons	3446..3616, 3447..3521, 3579..3746, 3603..3671, 3611..3847, 3698..3847, 3709..3849, 3739..3849		

Seq. No.	35664	Seq. ID	OJ990318_04.9A08.C47
Gene No.	73581	Strand	+
Start	53	End	217
Name	OJ990318_04.9A08.C47.o1.gs	Method	GENSCAN

Start	53	End	217
GI	none	Score	.66
Exons	53..217		

Seq. No.	35664	Seq. ID	OJ990318_04.9A08.C47
Gene No.	73582	Strand	-
Start	148	End	2323
Name	OJ990318_04.9A08.C47.o1.gp	Method	AAT/GAP
Start	148	End	2323
GI	342_1.R1084	Score	3211
Exons	148..193, 257..710, 820..917, 1000..1019, 1055..2323		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	35664	Seq. ID	OJ990318_04.9A08.C47
Gene No.	73582	Strand	-
Start	148	End	2323
Name	OJ990318_04.9A08.C47.o2.gp	Method	AAT/GAP
Start	373	End	2323
GI	342_1.R1084	Score	3001
Exons	373..710, 820..917, 1000..1019, 1055..2323		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	35664	Seq. ID	OJ990318_04.9A08.C47
Gene No.	73582	Strand	-
Start	148	End	2323
Name	OJ990318_04.9A08.C47.o2.gs	Method	GENSCAN
Start	1127	End	2185
GI	none	Score	.62
Exons	1127..1649, 1701..2185		

Seq. No.	35664	Seq. ID	OJ990318_04.9A08.C47
Gene No.	73582	Strand	-
Start	148	End	2323
Name	OJ990318_04.9A08.C47.o1.np	Method	AAT/NAP
Start	1148	End	2323
GI	4680203	Score	968
Exons	1148..2130, 2294..2323		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	35664	Seq. ID	OJ990318_04.9A08.C47
Gene No.	73582	Strand	-
Start	148	End	2323
Name	OJ990318_04.9A08.C47.o1.tw	Method	TBLASTX:Wheat
Start	1202	End	2320
GI	none	Score	52
Exons	1202..1294, 1203..1268, 1283..1363, 1368..1448, 1376..1516, 1377..1517, 1464..1559, 1496..1555, 1562..1606, 1567..1602, 1601..2320, 1617..2312, 2053..2316		

Seq. No.	35664	Seq. ID	OJ990318_04.9A08.C47
Gene No.	73582	Strand	-
Start	148	End	2323
Name	OJ990318_04.9A08.C47.o1.tc	Method	TBLASTX:Cress
Start	1784	End	2235
GI	none	Score	177

Exons	1784..2221, 1784..2227, 1788..2231, 1794..2231, 2053..2235		
Seq. No.	35664	Seq. ID	OJ990318_04.9A08.C47
Gene No.	73582	Strand	-
Start	148	End	2323
Name	OJ990318_04.9A08.C47.o2.np	Method	AAT/NAP
Start	2168	End	2323
GI	4558686	Score	140
Exons	2168..2323		
GI Descrip.	(AC006586) putative TNP2-like transposon protein [Arabidopsis thaliana]		
Seq. No.	35665	Seq. ID	OJ990318_04.9A08.C48
Gene No.	73583	Strand	-
Start	18	End	386
Name	OJ990318_04.9A08.C48.o1.gs	Method	GENSCAN
Start	18	End	386
GI	none	Score	.98
Exons	18..386		
Seq. No.	35666	Seq. ID	OJ990318_04.9A08.C50
Gene No.	73584	Strand	-
Start	131	End	506
Name	OJ990318_04.9A08.C50.o1.gs	Method	GENSCAN
Start	131	End	506
GI	none	Score	.59
Exons	131..229, 473..506		
Seq. No.	35667	Seq. ID	OJ990318_04.9A08.C51
Gene No.	73585	Strand	+
Start	4485	End	4919
Name	OJ990318_04.9A08.C51.o1.np	Method	AAT/NAP
Start	4485	End	4919
GI	629800	Score	363
Exons	4485..4919		
GI Descrip.	pir7b protein - rice gi\|498747\|emb\|CAA84024\| (Z34270) Pir7b [Oryza sativa]		
Seq. No.	35667	Seq. ID	OJ990318_04.9A08.C51
Gene No.	73586	Strand	-
Start	4315	End	4847
Name	OJ990318_04.9A08.C51.o2.gs	Method	GENSCAN
Start	4315	End	4847
GI	none	Score	.79
Exons	4315..4429, 4435..4847		
Seq. No.	35667	Seq. ID	OJ990318_04.9A08.C51
Gene No.	73586	Strand	-
Start	4315	End	4847
Name	OJ990318_04.9A08.C51.o1.tc	Method	TBLASTX:Cress
Start	4425	End	4834
GI	none	Score	179
Exons	4425..4607, 4496..4606, 4629..4829, 4718..4834		
Seq. No.	35667	Seq. ID	OJ990318_04.9A08.C51
Gene No.	73586	Strand	-
Start	4315	End	4847

Name	OJ990318_04.9A08.C51.o1.ts	Method	TBLASTX:Soybean
Start	4488	End	4841
GI	none	Score	327
Exons	4488..4841, 4502..4660, 4718..4810		

Seq. No.	35667	Seq. ID	OJ990318_04.9A08.C51
Gene No.	73586	Strand	-
Start	4315	End	4847
Name	OJ990318_04.9A08.C51.o1.tm	Method	TBLASTX:Maize
Start	4496	End	4676
GI	none	Score	266
Exons	4496..4660, 4497..4676		

Seq. No.	35667	Seq. ID	OJ990318_04.9A08.C51
Gene No.	73586	Strand	-
Start	4315	End	4847
Name	OJ990318_04.9A08.C51.o1.tw	Method	TBLASTX:Wheat
Start	4523	End	4844
GI	none	Score	126
Exons	4523..4630, 4524..4631, 4574..4837, 4617..4844		

Seq. No.	35668	Seq. ID	OJ990318_04.9A08.C52
Gene No.	73587	Strand	+
Start	1	End	400
Name	OJ990318_04.9A08.C52.o1.np	Method	AAT/NAP
Start	1	End	400
GI	6006359	Score	64
Exons	1..70, 278..400		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	35668	Seq. ID	OJ990318_04.9A08.C52
Gene No.	73588	Strand	+
Start	1177	End	1810
Name	OJ990318_04.9A08.C52.o2.np	Method	AAT/NAP
Start	1177	End	1810
GI	629800	Score	201
Exons	1177..1214, 1529..1810		
GI Descrip.	pir7b protein - rice gi\|498747\|emb\|CAA84024\| (Z34270) Pir7b [Oryza sativa]		

Seq. No.	35669	Seq. ID	OJ990318_04.9A08.C53
Gene No.	73589	Strand	+
Start	8908	End	15203
Name	OJ990318_04.9A08.C53.o2.gs	Method	GENSCAN
Start	8908	End	13693
GI	none	Score	.5
Exons	8908..9133, 9175..9371, 10941..11303, 11663..13693		

Seq. No.	35669	Seq. ID	OJ990318_04.9A08.C53
Gene No.	73589	Strand	+
Start	8908	End	15203
Name	OJ990318_04.9A08.C53.o3.np	Method	AAT/NAP
Start	11117	End	15203
GI	2258315	Score	579
Exons	11117..13340, 13584..13677, 15176..15203		
GI Descrip.	(AF004878) resistance complex protein I2C-1 [Lycopersicon esculentum]		

Seq. No.	35669	Seq. ID	OJ990318_04.9A08.C53
Gene No.	73589	Strand	+
Start	8908	End	15203
Name	OJ990318_04.9A08.C53.o2.np	Method	AAT/NAP
Start	11253	End	12040
GI	2792240	Score	692
Exons	11253..12040		
GI Descrip.	(AF032698) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	35669	Seq. ID	OJ990318_04.9A08.C53
Gene No.	73590	Strand	-
Start	833	End	7401
Name	OJ990318_04.9A08.C53.o1.gs	Method	GENSCAN
Start	833	End	7401
GI	none	Score	.67
Exons	833..1053, 1261..1381, 3572..3642, 4062..4209, 4431..5136, 5428..5628, 5954..6243, 6967..7401		

Seq. No.	35669	Seq. ID	OJ990318_04.9A08.C53
Gene No.	73590	Strand	-
Start	833	End	7401
Name	OJ990318_04.9A08.C53.o1.np	Method	AAT/NAP
Start	5405	End	5924
GI	2792242	Score	851
Exons	5405..5924		
GI Descrip.	(AF032699) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	35669	Seq. ID	OJ990318_04.9A08.C53
Gene No.	73591	Strand	-
Start	15465	End	18596
Name	OJ990318_04.9A08.C53.o2.ts	Method	TBLASTX:Soybean
Start	4995	End	12214
GI	none	Score	110
Exons	4995..5060, 5088..5123, 5183..5431, 5217..5429, 11774..12049, 12107..12214		

Seq. No.	35669	Seq. ID	OJ990318_04.9A08.C53
Gene No.	73591	Strand	-
Start	15465	End	18596
Name	OJ990318_04.9A08.C53.o1.tm	Method	TBLASTX:Maize
Start	5037	End	12130
GI	none	Score	94
Exons	5037..5123, 5156..5431, 5184..5432, 11559..11606, 11612..12130, 11707..12033		

Seq. No.	35669	Seq. ID	OJ990318_04.9A08.C53
Gene No.	73591	Strand	-
Start	15465	End	18596
Name	OJ990318_04.9A08.C53.o1.ts	Method	TBLASTX:Soybean
Start	5640	End	11773
GI	none	Score	84
Exons	5640..5735, 5802..5861, 5862..5930, 11246..11299, 11247..11315, 11316..11411, 11333..11410, 11430..11573, 11471..11533, 11594..11773, 11710..11772		

Seq. No.	35669	Seq. ID	OJ990318_04.9A08.C53

Gene No.	73591	Strand	-
Start	15465	End	18596
Name	OJ990318_04.9A08.C53.o3.gs	Method	GENSCAN
Start	15465	End	18596
GI	none	Score	.47
Exons	15465..15517, 16117..16143, 16427..16577, 18468..18596		

Seq. No.	35670	Seq. ID	OJ990318_04.9A08.C54
Gene No.	73592	Strand	+
Start	1	End	1755
Name	OJ990318_04.9A08.C54.o1.np	Method	AAT/NAP
Start	1	End	1755
GI	4680203	Score	1353
Exons	1..41, 628..1755		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	35670	Seq. ID	OJ990318_04.9A08.C54
Gene No.	73592	Strand	+
Start	1	End	1755
Name	OJ990318_04.9A08.C54.o1.gp	Method	AAT/GAP
Start	159	End	746
GI	2310235	Score	282
Exons	159..196, 608..746		
GI Descrip.	5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	35670	Seq. ID	OJ990318_04.9A08.C54
Gene No.	73592	Strand	+
Start	1	End	1755
Name	OJ990318_04.9A08.C54.o1.gs	Method	GENSCAN
Start	608	End	1728
GI	none	Score	.89
Exons	608..1728		

Seq. No.	35670	Seq. ID	OJ990318_04.9A08.C54
Gene No.	73592	Strand	+
Start	1	End	1755
Name	OJ990318_04.9A08.C54.o1.tw	Method	TBLASTX:Wheat
Start	1010	End	1645
GI	none	Score	203
Exons	1010..1318, 1183..1314, 1304..1375, 1327..1374, 1396..1458, 1400..1519, 1517..1645		

Seq. No.	35670	Seq. ID	OJ990318_04.9A08.C54
Gene No.	73592	Strand	+
Start	1	End	1755
Name	OJ990318_04.9A08.C54.o1.ts	Method	TBLASTX:Soybean
Start	1231	End	1660
GI	none	Score	102
Exons	1231..1314, 1232..1306, 1307..1369, 1364..1660, 1418..1642		

Seq. No.	35670	Seq. ID	OJ990318_04.9A08.C54
Gene No.	73592	Strand	+
Start	1	End	1755
Name	OJ990318_04.9A08.C54.o1.tc	Method	TBLASTX:Cress
Start	1393	End	1741
GI	none	Score	319

Exons	1393..1545, 1400..1741, 1585..1737		
Seq. No.	35670	Seq. ID	OJ990318_04.9A08.C54
Gene No.	73592	Strand	+
Start	1	End	1755
Name	OJ990318_04.9A08.C54.o1.tm	Method	TBLASTX:Maize
Start	1400	End	1753
GI	none	Score	67
Exons	1400..1489, 1505..1753, 1528..1740, 1529..1741		
Seq. No.	35671	Seq. ID	OJ990318_04.9A08.C55
Gene No.	73593	Strand	+
Start	1	End	422
Name	OJ990318_04.9A08.C55.o1.np	Method	AAT/NAP
Start	1	End	422
GI	6742729	Score	674
Exons	1..422		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	35671	Seq. ID	OJ990318_04.9A08.C55
Gene No.	73593	Strand	+
Start	1	End	422
Name	OJ990318_04.9A08.C55.o1.gs	Method	GENSCAN
Start	85	End	403
GI	none	Score	.6
Exons	85..403		
Seq. No.	35671	Seq. ID	OJ990318_04.9A08.C55
Gene No.	73593	Strand	+
Start	1	End	422
Name	OJ990318_04.9A08.C55.o1.tw	Method	TBLASTX:Wheat
Start	151	End	422
GI	none	Score	97
Exons	151..273, 153..296, 270..422, 271..420		
Seq. No.	35672	Seq. ID	OJ990318_04.9A08.C56
Gene No.	73594	Strand	-
Start	1	End	430
Name	OJ990318_04.9A08.C56.o1.np	Method	AAT/NAP
Start	1	End	430
GI	2126090	Score	690
Exons	1..430		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi\|455676\|bbs\|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi\|6634720\|gb\|AAF19728.1\|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		
Seq. No.	35672	Seq. ID	OJ990318_04.9A08.C56
Gene No.	73594	Strand	-
Start	1	End	430
Name	OJ990318_04.9A08.C56.o1.gs	Method	GENSCAN
Start	124	End	375
GI	none	Score	.55
Exons	124..375		

Seq. No.	35673	Seq. ID	OJ990318_04.9A08.C57
Gene No.	73595	Strand	+
Start	275	End	646
Name	OJ990318_04.9A08.C57.o1.gs	Method	GENSCAN
Start	275	End	646
GI	none	Score	.47
Exons	275..339, 577..646		

Seq. No.	35674	Seq. ID	OJ990318_04.9A08.C60
Gene No.	73596	Strand	-
Start	440	End	581
Name	OJ990318_04.9A08.C60.o1.gs	Method	GENSCAN
Start	440	End	581
GI	none	Score	.46
Exons	440..581		

Seq. No.	35675	Seq. ID	OJ990318_04.9A08.C61
Gene No.	73597	Strand	+
Start	97	End	467
Name	OJ990318_04.9A08.C61.o1.gs	Method	GENSCAN
Start	97	End	467
GI	none	Score	.42
Exons	97..161, 398..467		

Seq. No.	35676	Seq. ID	OJ990318_04.9A08.C62
Gene No.	73598	Strand	-
Start	1	End	769
Name	OJ990318_04.9A08.C62.o1.np	Method	AAT/NAP
Start	1	End	769
GI	6539553	Score	1117
Exons	1..769		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	35676	Seq. ID	OJ990318_04.9A08.C62
Gene No.	73598	Strand	-
Start	1	End	769
Name	OJ990318_04.9A08.C62.o1.ts	Method	TBLASTX:Soybean
Start	58	End	382
GI	none	Score	124
Exons	58..381, 182..382		

Seq. No.	35676	Seq. ID	OJ990318_04.9A08.C62
Gene No.	73598	Strand	-
Start	1	End	769
Name	OJ990318_04.9A08.C62.o1.tw	Method	TBLASTX:Wheat
Start	235	End	762
GI	none	Score	48
Exons	235..420, 245..367, 436..621, 691..762		

Seq. No.	35676	Seq. ID	OJ990318_04.9A08.C62
Gene No.	73598	Strand	-
Start	1	End	769
Name	OJ990318_04.9A08.C62.o1.tm	Method	TBLASTX:Maize
Start	316	End	768

GI	none	Score	77
Exons	316..648, 463..639, 691..768		

Seq. No.	35676	Seq. ID	OJ990318_04.9A08.C62
Gene No.	73598	Strand	-
Start	1	End	769
Name	OJ990318_04.9A08.C62.o1.gs	Method	GENSCAN
Start	390	End	651
GI	none	Score	.42
Exons	390..651		

Seq. No.	35676	Seq. ID	OJ990318_04.9A08.C62
Gene No.	73598	Strand	-
Start	1	End	769
Name	OJ990318_04.9A08.C62.o2.ts	Method	TBLASTX:Soybean
Start	451	End	768
GI	5509260	Score	93
Exons	451..645, 691..768		
GI Descrip.	-		

Seq. No.	35677	Seq. ID	OJ990318_04.9A08.C64
Gene No.	73599	Strand	+
Start	1	End	548
Name	OJ990318_04.9A08.C64.o1.np	Method	AAT/NAP
Start	1	End	548
GI	6539553	Score	716
Exons	1..548		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	35677	Seq. ID	OJ990318_04.9A08.C64
Gene No.	73599	Strand	+
Start	1	End	548
Name	OJ990318_04.9A08.C64.o1.tw	Method	TBLASTX:Wheat
Start	80	End	461
GI	none	Score	120
Exons	80..196, 81..173, 217..375, 225..383, 247..375, 275..382, 284..400, 377..460, 399..461		

Seq. No.	35677	Seq. ID	OJ990318_04.9A08.C64
Gene No.	73599	Strand	+
Start	1	End	548
Name	OJ990318_04.9A08.C64.o1.gs	Method	GENSCAN
Start	90	End	389
GI	none	Score	.78
Exons	90..389		

Seq. No.	35678	Seq. ID	OJ990318_04.9A08.C66
Gene No.	73600	Strand	+
Start	1	End	632
Name	OJ990318_04.9A08.C66.o1.np	Method	AAT/NAP
Start	1	End	632
GI	2258315	Score	207
Exons	1..80, 131..632		
GI Descrip.	(AF004878) resistance complex protein I2C-1 [Lycopersicon		

esculentum]

Seq. No.	35678	Seq. ID	OJ990318_04.9A08.C66
Gene No.	73601	Strand	-
Start	311	End	387
Name	OJ990318_04.9A08.C66.o1.gs	Method	GENSCAN
Start	311	End	387
GI	none	Score	.49
Exons	311..387		

Seq. No.	35679	Seq. ID	OJ990318_04.9A08.C68
Gene No.	73602	Strand	-
Start	1	End	496
Name	OJ990318_04.9A08.C68.o1.np	Method	AAT/NAP
Start	1	End	496
GI	4416302	Score	484
Exons	1..496		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	35679	Seq. ID	OJ990318_04.9A08.C68
Gene No.	73602	Strand	-
Start	1	End	496
Name	OJ990318_04.9A08.C68.o1.tm	Method	TBLASTX:Maize
Start	2	End	483
GI	none	Score	160
Exons	2..181, 18..335, 210..335, 350..475, 352..483, 373..477		

Seq. No.	35679	Seq. ID	OJ990318_04.9A08.C68
Gene No.	73602	Strand	-
Start	1	End	496
Name	OJ990318_04.9A08.C68.o1.tw	Method	TBLASTX:Wheat
Start	50	End	483
GI	none	Score	86
Exons	50..199, 231..308, 355..483		

Seq. No.	35679	Seq. ID	OJ990318_04.9A08.C68
Gene No.	73602	Strand	-
Start	1	End	496
Name	OJ990318_04.9A08.C68.o1.ts	Method	TBLASTX:Soybean
Start	110	End	492
GI	none	Score	48
Exons	110..190, 120..191, 213..356, 244..297, 355..492, 359..475		

Seq. No.	35679	Seq. ID	OJ990318_04.9A08.C68
Gene No.	73602	Strand	-
Start	1	End	496
Name	OJ990318_04.9A08.C68.o1.gs	Method	GENSCAN
Start	234	End	495
GI	none	Score	.78
Exons	234..343, 489..495		

Seq. No.	35680	Seq. ID	OJ990318_04.9A08.C69
Gene No.	73603	Strand	+
Start	109	End	427
Name	OJ990318_04.9A08.C69.o1.np	Method	AAT/NAP
Start	109	End	427
GI	6539588	Score	114

Exons	109..427		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	35680	Seq. ID	OJ990318_04.9A08.C69
Gene No.	73603	Strand	+
Start	109	End	427
Name	OJ990318_04.9A08.C69.o1.gs	Method	GENSCAN
Start	225	End	336
GI	none	Score	.43
Exons	225..336		
Seq. No.	35681	Seq. ID	OJ990308_03.9A05.C2
Gene No.	73604	Strand	-
Start	1335	End	2109
Name	OJ990308_03.9A05.C2.o1.gs	Method	GENSCAN
Start	1335	End	2109
GI	none	Score	.64
Exons	1335..1416, 2045..2109		
Seq. No.	35682	Seq. ID	OJ990308_03.9A05.C3
Gene No.	73605	Strand	+
Start	443	End	2525
Name	OJ990308_03.9A05.C3.o1.gs	Method	GENSCAN
Start	443	End	2525
GI	none	Score	.49
Exons	443..500, 686..901, 2440..2525		
Seq. No.	35682	Seq. ID	OJ990308_03.9A05.C3
Gene No.	73606	Strand	+
Start	3135	End	5165
Name	OJ990308_03.9A05.C3.o1.gp	Method	AAT/GAP
Start	3135	End	5087
GI	none	Score	759
Exons	3135..3294, 4754..4977, 5057..5087		
Seq. No.	35682	Seq. ID	OJ990308_03.9A05.C3
Gene No.	73606	Strand	+
Start	3135	End	5165
Name	OJ990308_03.9A05.C3.o2.gs	Method	GENSCAN
Start	3509	End	5165
GI	none	Score	1
Exons	3509..3730, 4754..4977, 5057..5165		
Seq. No.	35682	Seq. ID	OJ990308_03.9A05.C3
Gene No.	73607	Strand	+
Start	5156	End	5358
Name	OJ990308_03.9A05.C3.o2.gp	Method	AAT/GAP
Start	5156	End	5358
GI	LIB3433-054-P1-K1-C3	Score	338
Exons	5156..5358		
GI Descrip.	'2062705/gb\|U90552\|HSU90552 2.0e-11 Human butyrophilin (BTF5) mRNA, complete cds'		
Seq. No.	35682	Seq. ID	OJ990308_03.9A05.C3
Gene No.	73608	Strand	+
Start	9561	End	9903
Name	OJ990308_03.9A05.C3.o2.np	Method	AAT/NAP

Start	9561	End	9903
GI	4115534	Score	107
Exons	9561..9903		
GI Descrip.	(AB012114) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	35682	Seq. ID	OJ990308_03.9A05.C3
Gene No.	73609	Strand	-
Start	416	End	896
Name	OJ990308_03.9A05.C3.o1.np	Method	AAT/NAP
Start	416	End	896
GI	5091500	Score	85
Exons	416..540, 626..896		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	35682	Seq. ID	OJ990308_03.9A05.C3
Gene No.	73610	Strand	
Start	6318	End	6614
Name	OJ990308_03.9A05.C3.o1.tm	Method	TBLASTX:Maize
Start	6318	End	6614
GI	none	Score	187
Exons	6318..6614		

Seq. No.	35683	Seq. ID	OJ990308_03.9A05.C4
Gene No.	73611	Strand	-
Start	344	End	1763
Name	OJ990308_03.9A05.C4.o1.gs	Method	GENSCAN
Start	344	End	1763
GI	none	Score	.64
Exons	344..524, 1503..1539, 1709..1763		

Seq. No.	35684	Seq. ID	OJ990308_03.9A05.C6
Gene No.	73612	Strand	+
Start	1	End	510
Name	OJ990308_03.9A05.C6.o1.np	Method	AAT/NAP
Start	1	End	510
GI	6729024	Score	46
Exons	1..20, 193..279, 317..379, 466..510		
GI Descrip.	(AC009177) putative serine/threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	35684	Seq. ID	OJ990308_03.9A05.C6
Gene No.	73612	Strand	+
Start	1	End	510
Name	OJ990308_03.9A05.C6.o1.gs	Method	GENSCAN
Start	60	End	379
GI	none	Score	.64
Exons	60..145, 346..379		

Seq. No.	35684	Seq. ID	OJ990308_03.9A05.C6
Gene No.	73613	Strand	-
Start	187	End	377
Name	OJ990308_03.9A05.C6.o1.gp	Method	AAT/GAP
Start	187	End	377
GI	21408_1.R1084	Score	218
Exons	187..280, 318..377		
GI Descrip.	'4512705/gb\|AAD21758.1\| 1.0e-36 (AC006569) putative		

serine/threonine protein kinase [Arabidopsis thaliana]'

Seq. No.	35685	Seq. ID	OJ990308_03.9A05.C10
Gene No.	73614	Strand	+
Start	241	End	842
Name	OJ990308_03.9A05.C10.o1.gs	Method	GENSCAN
Start	241	End	842
GI	none	Score	.4
Exons	241..357, 463..842		

Seq. No.	35685	Seq. ID	OJ990308_03.9A05.C10
Gene No.	73615	Strand	-
Start	178	End	893
Name	OJ990308_03.9A05.C10.o1.np	Method	AAT/NAP
Start	178	End	893
GI	6069646	Score	777
Exons	178..893		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	35685	Seq. ID	OJ990308_03.9A05.C10
Gene No.	73615	Strand	-
Start	178	End	893
Name	OJ990308_03.9A05.C10.o1.tm	Method	TBLASTX:Maize
Start	208	End	749
GI	none	Score	101
Exons	208..402, 435..671, 448..645, 663..749		

Seq. No.	35685	Seq. ID	OJ990308_03.9A05.C10
Gene No.	73615	Strand	-
Start	178	End	893
Name	OJ990308_03.9A05.C10.o1.tw	Method	TBLASTX:Wheat
Start	304	End	638
GI	none	Score	65
Exons	304..339, 459..638, 472..627		

Seq. No.	35686	Seq. ID	OJ990308_03.9A05.C11
Gene No.	73616	Strand	+
Start	226	End	619
Name	OJ990308_03.9A05.C11.o1.gs	Method	GENSCAN
Start	226	End	619
GI	none	Score	.76
Exons	226..290, 484..619		

Seq. No.	35687	Seq. ID	OJ990308_03.9A05.C12
Gene No.	73617	Strand	+
Start	172	End	1614
Name	OJ990308_03.9A05.C12.o1.gs	Method	GENSCAN
Start	172	End	1614
GI	none	Score	.51
Exons	172..236, 430..538, 627..980, 1498..1614		

Seq. No.	35687	Seq. ID	OJ990308_03.9A05.C12
Gene No.	73618	Strand	+

Start	2745	End	7023
Name	OJ990308_03.9A05.C12.o2.gs	Method	GENSCAN
Start	2745	End	5954
GI	none	Score	.58
Exons	2745..3306, 3383..3619, 3726..4232, 4445..4588, 4699..5954		

Seq. No.	35687	Seq. ID	OJ990308_03.9A05.C12
Gene No.	73618	Strand	+
Start	2745	End	7023
Name	OJ990308_03.9A05.C12.o1.np	Method	AAT/NAP
Start	4171	End	7023
GI	6665543	Score	878
Exons	4171..4232, 4445..4534, 4699..5782, 6866..7023		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	35687	Seq. ID	OJ990308_03.9A05.C12
Gene No.	73619	Strand	+
Start	7977	End	10980
Name	OJ990308_03.9A05.C12.o2.np	Method	AAT/NAP
Start	7832	End	8252
GI	3063699	Score	119
Exons	7832..8252		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	35687	Seq. ID	OJ990308_03.9A05.C12
Gene No.	73619	Strand	+
Start	7977	End	10980
Name	OJ990308_03.9A05.C12.o3.gs	Method	GENSCAN
Start	7977	End	10980
GI	none	Score	.96
Exons	7977..8196, 9728..9873, 10852..10980		

Seq. No.	35687	Seq. ID	OJ990308_03.9A05.C12
Gene No.	73619	Strand	+
Start	7977	End	10980
Name	OJ990308_03.9A05.C12.o2.gp	Method	AAT/GAP
Start	10792	End	10965
GI	2797562	Score	313
Exons	10792..10965		

Seq. No.	35687	Seq. ID	OJ990308_03.9A05.C12
Gene No.	73620	Strand	-
Start	5636	End	6050
Name	OJ990308_03.9A05.C12.o1.gp	Method	AAT/GAP
Start	5636	End	6050
GI	uC-osf1M202086f04a1	Score	830
Exons	5636..6050		
GI Descrip.	'3805845/emb\|CAA21465.1\| 2.0e-83 (AL031986) putative protein [Arabidopsis thaliana]'		

Seq. No.	35687	Seq. ID	OJ990308_03.9A05.C12
Gene No.	73621	Strand	-
Start	11603	End	11663
Name	OJ990308_03.9A05.C12.o1.tc	Method	TBLASTX:Cress
Start	2823	End	5726
GI	none	Score	87
Exons	2823..2900, 3752..3814, 4166..4228, 4707..5207, 4769..5155,		

5208..5726, 5257..5334, 5282..5509

Seq. No.	35687	Seq. ID	OJ990308_03.9A05.C12
Gene No.	73621	Strand	-
Start	11603	End	11663
Name	OJ990308_03.9A05.C12.o1.ts	Method	TBLASTX:Soybean
Start	4776	End	5594
GI	none	Score	191
Exons	4776..5021, 4811..5017, 5004..5186, 5039..5152, 5208..5594, 5260..5331, 5297..5530		

Seq. No.	35687	Seq. ID	OJ990308_03.9A05.C12
Gene No.	73621	Strand	-
Start	11603	End	11663
Name	OJ990308_03.9A05.C12.o1.tm	Method	TBLASTX:Maize
Start	4778	End	5731
GI	none	Score	91
Exons	4778..5020, 4794..5201, 4808..5149, 4896..5177, 5211..5726, 5281..5730, 5282..5527, 5283..5636, 5672..5731		

Seq. No.	35687	Seq. ID	OJ990308_03.9A05.C12
Gene No.	73621	Strand	-
Start	11603	End	11663
Name	OJ990308_03.9A05.C12.o1.tw	Method	TBLASTX:Wheat
Start	4853	End	5264
GI	none	Score	383
Exons	4853..5155, 4884..5183, 4893..5189, 5008..5184, 5208..5264		

Seq. No.	35687	Seq. ID	OJ990308_03.9A05.C12
Gene No.	73621	Strand	-
Start	11603	End	11663
Name	OJ990308_03.9A05.C12.o2.tw	Method	TBLASTX:Wheat
Start	5265	End	5533
GI	none	Score	122
Exons	5265..5393, 5276..5368, 5396..5533, 5397..5531		

Seq. No.	35687	Seq. ID	OJ990308_03.9A05.C12
Gene No.	73621	Strand	-
Start	11603	End	11663
Name	OJ990308_03.9A05.C12.o3.gp	Method	AAT/GAP
Start	11603	End	11663
GI	2312838	Score	74
Exons	11603..11663		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	35688	Seq. ID	OJ990308_03.9A05.C13
Gene No.	73622	Strand	+
Start	1	End	4601
Name	OJ990308_03.9A05.C13.o1.np	Method	AAT/NAP
Start	1	End	4601
GI	3805845	Score	1789
Exons	1..253, 391..530, 852..1056, 1252..1512, 1597..1665, 1752..1899, 2229..2378, 2634..2804, 2937..3125, 3552..3844, 4547..4601		
GI Descrip.	(AL031986) putative protein [Arabidopsis thaliana]		

Seq. No.	35688	Seq. ID	OJ990308_03.9A05.C13

Gene No.	73622	Strand	+
Start	1	End	4601
Name	OJ990308_03.9A05.C13.o1.gp	Method	AAT/GAP
Start	23	End	1345
GI	2798206	Score	1116
Exons	23..253, 391..507, 862..1056, 1252..1345		
GI Descrip.	3805845/emb\|CAA21465.1\| 2.0e-83 (AL031986) putative protein [Arabidopsis thaliana]		

Seq. No.	35688	Seq. ID	OJ990308_03.9A05.C13
Gene No.	73622	Strand	+
Start	1	End	4601
Name	OJ990308_03.9A05.C13.o1.gs	Method	GENSCAN
Start	400	End	3868
GI	none	Score	.57
Exons	400..507, 862..1056, 1252..1512, 1752..1899, 2148..2424, 2636..2804, 2922..3125, 3143..3233, 3293..3364, 3552..3868		

Seq. No.	35688	Seq. ID	OJ990308_03.9A05.C13
Gene No.	73623	Strand	-
Start	2990	End	3865
Name	OJ990308_03.9A05.C13.o2.tw	Method	TBLASTX:Wheat
Start	2	End	220
GI	none	Score	141
Exons	2..139, 2..139, 149..220, 155..220		

Seq. No.	35688	Seq. ID	OJ990308_03.9A05.C13
Gene No.	73623	Strand	-
Start	2990	End	3865
Name	OJ990308_03.9A05.C13.o1.tc	Method	TBLASTX:Cress
Start	7	End	3851
GI	none	Score	134
Exons	7..111, 8..115, 143..187, 394..504, 861..1046, 865..1053, 883..1065, 1261..1350, 1263..1358, 1264..1365, 1462..1515, 1603..1665, 1749..1901, 1751..1900, 2189..2341, 2227..2343, 2331..2378, 2706..2759, 2919..3092, 2927..3088, 3028..3093, 3462..3503, 3560..3808, 3561..3851		

Seq. No.	35688	Seq. ID	OJ990308_03.9A05.C13
Gene No.	73623	Strand	-
Start	2990	End	3865
Name	OJ990308_03.9A05.C13.o2.tm	Method	TBLASTX:Maize
Start	8	End	1356
GI	none	Score	136
Exons	8..139, 8..130, 152..229, 169..228, 388..471, 865..909, 931..1053, 933..1046, 1263..1355, 1264..1356		

Seq. No.	35688	Seq. ID	OJ990308_03.9A05.C13
Gene No.	73623	Strand	-
Start	2990	End	3865
Name	OJ990308_03.9A05.C13.o1.ts	Method	TBLASTX:Soybean
Start	152	End	2723
GI	none	Score	134
Exons	152..253, 169..252, 356..481, 372..509, 390..476, 394..510, 400..537, 859..1071, 861..1052, 1237..1371, 1266..1373, 1271..1378, 1354..1452, 1444..1515, 1603..1665, 1605..1661, 1731..1898, 1742..1915, 1743..1901, 2169..2339, 2177..2338,		

2195..2350, 2227..2379, 2331..2378, 2356..2412, 2631..2723

Seq. No.	35688	Seq. ID	OJ990308_03.9A05.C13
Gene No.	73623	Strand	-
Start	2990	End	3865
Name	OJ990308_03.9A05.C13.o1.tm	Method	TBLASTX:Maize
Start	1769	End	3845
GI	none	Score	159
Exons	1769..1870, 1782..1895, 2216..2341, 2227..2343, 2331..2381, 2625..2693, 2631..2717, 2702..2746, 2703..2747, 2924..3088, 2925..3092, 2937..3107, 3549..3845, 3551..3841		

Seq. No.	35688	Seq. ID	OJ990308_03.9A05.C13
Gene No.	73623	Strand	-
Start	2990	End	3865
Name	OJ990308_03.9A05.C13.o3.ts	Method	TBLASTX:Soybean
Start	2925	End	3095
GI	none	Score	251
Exons	2925..3095, 2928..3089, 2939..3094		

Seq. No.	35688	Seq. ID	OJ990308_03.9A05.C13
Gene No.	73623	Strand	-
Start	2990	End	3865
Name	OJ990308_03.9A05.C13.o3.tw	Method	TBLASTX:Wheat
Start	2926	End	3062
GI	none	Score	181
Exons	2926..3060, 2927..3061, 2928..3062		

Seq. No.	35688	Seq. ID	OJ990308_03.9A05.C13
Gene No.	73623	Strand	-
Start	2990	End	3865
Name	OJ990308_03.9A05.C13.o2.gp	Method	AAT/GAP
Start	2990	End	3127
GI	uC-osf1cyp078c03a1	Score	224
Exons	2990..3127		
GI Descrip.	'5002520/emb\|CAB44323.1\| 3.0e-39 (AL078606) putative phospholipase D-gamma [Arabidopsis thaliana]'		

Seq. No.	35688	Seq. ID	OJ990308_03.9A05.C13
Gene No.	73623	Strand	-
Start	2990	End	3865
Name	OJ990308_03.9A05.C13.o1.tw	Method	TBLASTX:Wheat
Start	3063	End	3841
GI	none	Score	54
Exons	3063..3104, 3549..3839, 3551..3841		

Seq. No.	35688	Seq. ID	OJ990308_03.9A05.C13
Gene No.	73623	Strand	-
Start	2990	End	3865
Name	OJ990308_03.9A05.C13.o2.ts	Method	TBLASTX:Soybean
Start	3546	End	3865
GI	none	Score	336
Exons	3546..3845, 3548..3865		

Seq. No.	35689	Seq. ID	OJ990308_03.9A05.C14
Gene No.	73624	Strand	+
Start	35	End	1498

Name	OJ990308_03.9A05.C14.o1.tc	Method	TBLASTX:Cress
Start	5	End	1489
GI	none	Score	75
Exons	5..109, 5..157, 137..451, 182..244, 182..418, 338..532, 470..586, 551..712, 557..718, 574..669, 761..1090, 785..1090, 986..1396, 1112..1393, 1268..1462, 1430..1489		

Seq. No.	35689	Seq. ID	OJ990308_03.9A05.C14
Gene No.	73624	Strand	+
Start	35	End	1498
Name	OJ990308_03.9A05.C14.o1.tm	Method	TBLASTX:Maize
Start	5	End	1489
GI	none	Score	126
Exons	5..196, 5..175, 77..442, 169..330, 182..490, 191..679, 205..330, 548..763, 548..709, 549..692, 551..733, 551..733, 556..732, 557..730, 800..1150, 1019..1447, 1112..1417, 1121..1489, 1195..1476		

Seq. No.	35689	Seq. ID	OJ990308_03.9A05.C14
Gene No.	73624	Strand	+
Start	35	End	1498
Name	OJ990308_03.9A05.C14.o1.tw	Method	TBLASTX:Wheat
Start	5	End	1333
GI	none	Score	84
Exons	5..100, 17..397, 320..556, 339..485, 548..709, 551..709, 626..733, 761..1030, 947..1186, 1232..1333		

Seq. No.	35689	Seq. ID	OJ990308_03.9A05.C14
Gene No.	73624	Strand	+
Start	35	End	1498
Name	OJ990308_03.9A05.C14.o1.ts	Method	TBLASTX:Soybean
Start	23	End	1462
GI	none	Score	113
Exons	23..151, 182..406, 326..535, 524..712, 632..733, 758..1033, 965..1336, 1262..1462		

Seq. No.	35689	Seq. ID	OJ990308_03.9A05.C14
Gene No.	73624	Strand	+
Start	35	End	1498
Name	OJ990308_03.9A05.C14.o1.gs	Method	GENSCAN
Start	35	End	1498
GI	none	Score	.6
Exons	35..213, 238..346, 515..1498		

Seq. No.	35690	Seq. ID	OJ990308_03.9A05.C15
Gene No.	73625	Strand	+
Start	1	End	3940
Name	OJ990308_03.9A05.C15.o1.np	Method	AAT/NAP
Start	1	End	704
GI	4582435	Score	339
Exons	1..704		
GI Descrip.	(AC007196) putative selenium-binding protein [Arabidopsis thaliana]		

Seq. No.	35690	Seq. ID	OJ990308_03.9A05.C15
Gene No.	73625	Strand	+
Start	1	End	3940

Name	OJ990308_03.9A05.C15.o1.gs	Method	GENSCAN
Start	87	End	3940
GI	none	Score	.81
Exons	87..621, 2126..2519, 3532..3634, 3923..3940		

Seq. No.	35690	Seq. ID	OJ990308_03.9A05.C15
Gene No.	73625	Strand	+
Start	1	End	3940
Name	OJ990308_03.9A05.C15.o1.tm	Method	TBLASTX:Maize
Start	107	End	362
GI	none	Score	52
Exons	107..148, 135..362, 164..361		

Seq. No.	35690	Seq. ID	OJ990308_03.9A05.C15
Gene No.	73625	Strand	+
Start	1	End	3940
Name	OJ990308_03.9A05.C15.o1.tc	Method	TBLASTX:Cress
Start	180	End	713
GI	none	Score	117
Exons	180..362, 480..713, 503..706		

Seq. No.	35690	Seq. ID	OJ990308_03.9A05.C15
Gene No.	73625	Strand	+
Start	1	End	3940
Name	OJ990308_03.9A05.C15.o1.ts	Method	TBLASTX:Soybean
Start	480	End	704
GI	none	Score	190
Exons	480..704		

Seq. No.	35690	Seq. ID	OJ990308_03.9A05.C15
Gene No.	73625	Strand	+
Start	1	End	3940
Name	OJ990308_03.9A05.C15.o2.tm	Method	TBLASTX:Maize
Start	480	End	709
GI	none	Score	213
Exons	480..707, 503..709		

Seq. No.	35691	Seq. ID	OJ990308_03.9A05.C16
Gene No.	73626	Strand	+
Start	421	End	3076
Name	OJ990308_03.9A05.C16.o1.gs	Method	GENSCAN
Start	421	End	3076
GI	none	Score	.94
Exons	421..1491, 1586..1676, 1952..2151, 2271..2775, 3042..3076		

Seq. No.	35691	Seq. ID	OJ990308_03.9A05.C16
Gene No.	73627	Strand	+
Start	3898	End	5432
Name	OJ990308_03.9A05.C16.o2.gs	Method	GENSCAN
Start	3898	End	5432
GI	none	Score	.86
Exons	3898..3962, 4541..4712, 4845..4989, 5078..5193, 5274..5432		

Seq. No.	35691	Seq. ID	OJ990308_03.9A05.C16
Gene No.	73628	Strand	+
Start	6595	End	7014
Name	OJ990308_03.9A05.C16.o1.gp	Method	AAT/GAP

Start	6595	End	7014
GI	uC-osf1cyp128b07a1	Score	840
Exons	6595..7014		
GI Descrip.	'5263319/gb\|AAD41421.1\|AC007727_10 4.0e-19 (AC007727) ESTs gb_N96028, gb_F14286, gb_T20680, gb_F14443, gb_AA657300 and gb_N65244 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	35691	Seq. ID	OJ990308_03.9A05.C16
Gene No.	73629	Strand	-
Start	6785	End	8883
Name	OJ990308_03.9A05.C16.o3.gs	Method	GENSCAN
Start	6785	End	8850
GI	none	Score	.61
Exons	6785..8290, 8305..8850		

Seq. No.	35691	Seq. ID	OJ990308_03.9A05.C16
Gene No.	73629	Strand	-
Start	6785	End	8883
Name	OJ990308_03.9A05.C16.o1.np	Method	AAT/NAP
Start	6800	End	8862
GI	5263319	Score	1828
Exons	6800..8862		
GI Descrip.	(AC007727) ESTs gb\|N96028, gb\|F14286, gb\|T20680, gb\|F14443, gb\|AA657300 and gb\|N65244 come from this gene. [Arabidopsis thaliana]		

Seq. No.	35691	Seq. ID	OJ990308_03.9A05.C16
Gene No.	73629	Strand	-
Start	6785	End	8883
Name	OJ990308_03.9A05.C16.o2.gp	Method	AAT/GAP
Start	7984	End	8449
GI	2428048	Score	785
Exons	7984..8449		

Seq. No.	35691	Seq. ID	OJ990308_03.9A05.C16
Gene No.	73629	Strand	-
Start	6785	End	8883
Name	OJ990308_03.9A05.C16.o4.gp	Method	AAT/GAP
Start	8425	End	8883
GI	uC-osf1M202068g01b1	Score	842
Exons	8425..8883		
GI Descrip.	'4558556/gb\|AAD22649.1\|AC007138_13 4.0e-13 (AC007138) predicted protein of unknown function [Arabidopsis thaliana]'		

Seq. No.	35691	Seq. ID	OJ990308_03.9A05.C16
Gene No.	73630	Strand	-
Start	9624	End	10996
Name	OJ990308_03.9A05.C16.o6.tm	Method	TBLASTX:Maize
Start	919	End	1365
GI	none	Score	38
Exons	919..966, 947..1117, 949..1149, 949..1146, 1136..1291, 1141..1365, 1145..1258, 1147..1365		

Seq. No.	35691	Seq. ID	OJ990308_03.9A05.C16
Gene No.	73630	Strand	-
Start	9624	End	10996
Name	OJ990308_03.9A05.C16.o4.tm	Method	TBLASTX:Maize

Start	2361	End	3086
GI	none	Score	178
Exons	2361..2573, 2362..2574, 2365..2574, 2632..2760, 2644..2742, 2681..2770, 2691..2765, 2853..2954, 2854..2952, 2857..2955, 3045..3086, 3050..3070		

Seq. No.	35691	Seq. ID	OJ990308_03.9A05.C16
Gene No.	73630	Strand	-
Start	9624	End	10996
Name	OJ990308_03.9A05.C16.o3.tm	Method	TBLASTX:Maize
Start	6832	End	7091
GI	none	Score	190
Exons	6832..6897, 6833..6967, 6834..6980, 6968..7090, 6969..7091		

Seq. No.	35691	Seq. ID	OJ990308_03.9A05.C16
Gene No.	73630	Strand	-
Start	9624	End	10996
Name	OJ990308_03.9A05.C16.o1.tc	Method	TBLASTX:Cress
Start	6923	End	8143
GI	none	Score	60
Exons	6923..7117, 7118..7186, 7199..7312, 7205..7288, 7295..7408, 7332..7409, 7454..7633, 7775..7864, 7889..7954, 7934..8017, 7977..8018, 8057..8143, 8058..8138		

Seq. No.	35691	Seq. ID	OJ990308_03.9A05.C16
Gene No.	73630	Strand	-
Start	9624	End	10996
Name	OJ990308_03.9A05.C16.o1.tm	Method	TBLASTX:Maize
Start	7130	End	7522
GI	none	Score	201
Exons	7130..7453, 7131..7274, 7160..7348, 7332..7454, 7442..7522, 7443..7520		

Seq. No.	35691	Seq. ID	OJ990308_03.9A05.C16
Gene No.	73630	Strand	-
Start	9624	End	10996
Name	OJ990308_03.9A05.C16.o2.ts	Method	TBLASTX:Soybean
Start	7149	End	7438
GI	none	Score	156
Exons	7149..7274, 7151..7312, 7160..7282, 7208..7327, 7316..7438, 7332..7433, 7349..7435		

Seq. No.	35691	Seq. ID	OJ990308_03.9A05.C16
Gene No.	73630	Strand	-
Start	9624	End	10996
Name	OJ990308_03.9A05.C16.o1.ts	Method	TBLASTX:Soybean
Start	7517	End	8198
GI	none	Score	75
Exons	7517..7540, 7553..7594, 7592..7708, 7605..7694, 7757..7903, 7776..7868, 7886..8038, 7890..8057, 8063..8197, 8064..8198		

Seq. No.	35691	Seq. ID	OJ990308_03.9A05.C16
Gene No.	73630	Strand	-
Start	9624	End	10996
Name	OJ990308_03.9A05.C16.o2.tm	Method	TBLASTX:Maize
Start	7554	End	7814
GI	none	Score	244

Exons	7554..7751, 7554..7718, 7556..7723, 7727..7813, 7728..7814		
Seq. No.	35691	Seq. ID	OJ990308_03.9A05.C16
Gene No.	73630	Strand	-
Start	9624	End	10996
Name	OJ990308_03.9A05.C16.o3.ts	Method	TBLASTX:Soybean
Start	8281	End	8457
GI	none	Score	190
Exons	8281..8457		
Seq. No.	35691	Seq. ID	OJ990308_03.9A05.C16
Gene No.	73630	Strand	-
Start	9624	End	10996
Name	OJ990308_03.9A05.C16.o5.tm	Method	TBLASTX:Maize
Start	8393	End	8770
GI	none	Score	94
Exons	8393..8482, 8395..8484, 8548..8607, 8611..8682, 8612..8683, 8698..8769, 8699..8770		
Seq. No.	35691	Seq. ID	OJ990308_03.9A05.C16
Gene No.	73630	Strand	-
Start	9624	End	10996
Name	OJ990308_03.9A05.C16.o4.gs	Method	GENSCAN
Start	9624	End	10996
GI	none	Score	.59
Exons	9624..9650, 10148..10249, 10831..10996		
Seq. No.	35692	Seq. ID	OJ990308_03.9A05.C17
Gene No.	73631	Strand	+
Start	506	End	859
Name	OJ990308_03.9A05.C17.o1.gs	Method	GENSCAN
Start	506	End	859
GI	none	Score	.77
Exons	506..859		
Seq. No.	35692	Seq. ID	OJ990308_03.9A05.C17
Gene No.	73631	Strand	+
Start	506	End	859
Name	OJ990308_03.9A05.C17.o1.np	Method	AAT/NAP
Start	656	End	784
GI	6721543	Score	116
Exons	656..784		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	35692	Seq. ID	OJ990308_03.9A05.C17
Gene No.	73632	Strand	-
Start	1296	End	3498
Name	OJ990308_03.9A05.C17.o1.gp	Method	AAT/GAP
Start	1018	End	1471
GI	LIB3431-045-P1-N1-A10	Score	876
Exons	1018..1471		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		
Seq. No.	35692	Seq. ID	OJ990308_03.9A05.C17
Gene No.	73632	Strand	-
Start	1296	End	3498

Name	OJ990308_03.9A05.C17.o2.gs	Method	GENSCAN
Start	1296	End	2888
GI	none	Score	.58
Exons	1296..1456, 1607..1809, 1814..1861, 1925..2056, 2147..2184, 2250..2888		

Seq. No.	35692	Seq. ID	OJ990308_03.9A05.C17
Gene No.	73632	Strand	-
Start	1296	End	3498
Name	OJ990308_03.9A05.C17.o2.np	Method	AAT/NAP
Start	1575	End	2280
GI	5441880	Score	630
Exons	1575..1809, 1925..2056, 2147..2170, 2207..2280		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	35692	Seq. ID	OJ990308_03.9A05.C17
Gene No.	73632	Strand	-
Start	1296	End	3498
Name	OJ990308_03.9A05.C17.o3.np	Method	AAT/NAP
Start	1575	End	2274
GI	5441880	Score	635
Exons	1575..1809, 1925..2056, 2147..2170, 2207..2274		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	35692	Seq. ID	OJ990308_03.9A05.C17
Gene No.	73632	Strand	-
Start	1296	End	3498
Name	OJ990308_03.9A05.C17.o4.np	Method	AAT/NAP
Start	2448	End	3498
GI	6721543	Score	199
Exons	2448..2564, 3370..3498		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	35692	Seq. ID	OJ990308_03.9A05.C17
Gene No.	73632	Strand	-
Start	1296	End	3498
Name	OJ990308_03.9A05.C17.o2.gp	Method	AAT/GAP
Start	3319	End	3484
GI	7406_1.R1084	Score	223
Exons	3319..3484		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	35693	Seq. ID	OJ990308_03.9A05.C18
Gene No.	73633	Strand	+
Start	250	End	1570
Name	OJ990308_03.9A05.C18.o1.gs	Method	GENSCAN
Start	250	End	1570
GI	none	Score	.71
Exons	250..360, 1458..1570		

Seq. No.	35694	Seq. ID	OJ990308_03.9A05.C19
Gene No.	73634	Strand	-

Start	746	End	1227
Name	OJ990308_03.9A05.C19.o1.gs	Method	GENSCAN
Start	746	End	1227
GI	none	Score	.7
Exons	746..871, 1216..1227		

Seq. No.	35695	Seq. ID	OJ990308_03.9A05.C20
Gene No.	73635	Strand	+
Start	269	End	858
Name	OJ990308_03.9A05.C20.o1.gs	Method	GENSCAN
Start	269	End	858
GI	none	Score	.5
Exons	269..320, 803..858		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73636	Strand	+
Start	1209	End	5262
Name	OJ990308_03.9A05.C21.o1.np	Method	AAT/NAP
Start	1209	End	5259
GI	3540207	Score	1028
Exons	1209..1541, 1943..2064, 2177..2607, 3031..3285, 3391..3462, 3547..3819, 3917..4059, 4256..4335, 4421..4572, 4716..4942, 5026..5259		
GI Descrip.	(AC004260) Putative protein kinase [Arabidopsis thaliana]		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73636	Strand	+
Start	1209	End	5262
Name	OJ990308_03.9A05.C21.o1.gs	Method	GENSCAN
Start	1215	End	5262
GI	none	Score	.59
Exons	1215..1352, 1943..2064, 2177..3795, 3893..4059, 4256..4335, 4421..4568, 4793..4942, 5026..5262		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73636	Strand	+
Start	1209	End	5262
Name	OJ990308_03.9A05.C21.o1.gp	Method	AAT/GAP
Start	1342	End	2319
GI	44674_1.R1084	Score	838
Exons	1342..1541, 1943..2064, 2177..2319		
GI Descrip.	'3540207 2.0e-30 (AC004260) Putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73636	Strand	+
Start	1209	End	5262
Name	OJ990308_03.9A05.C21.o2.gp	Method	AAT/GAP
Start	3193	End	3701
GI	LIB3434-045-P1-K1-C7	Score	762
Exons	3193..3462, 3547..3701		
GI Descrip.	'3540207 3.0e-16 (AC004260) Putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73636	Strand	+
Start	1209	End	5262

Name	OJ990308_03.9A05.C21.o3.gp	Method	AAT/GAP
Start	3723	End	4940
GI	21408_1.R1084	Score	1133
Exons	3723..3795, 3893..4059, 4256..4335, 4421..4568, 4793..4940		
GI Descrip.	'4512705/gb\|AAD21758.1\| 1.0e-36 (AC006569) putative serine/threonine protein kinase [Arabidopsis thaliana]'		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73637	Strand	+
Start	5974	End	12350
Name	OJ990308_03.9A05.C21.o2.np	Method	AAT/NAP
Start	5974	End	12350
GI	6069646	Score	1375
Exons	5974..6011, 9281..10075, 10358..10778, 12268..12350		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73637	Strand	+
Start	5974	End	12350
Name	OJ990308_03.9A05.C21.o2.gs	Method	GENSCAN
Start	7502	End	7993
GI	none	Score	.78
Exons	7502..7993		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73637	Strand	+
Start	5974	End	12350
Name	OJ990308_03.9A05.C21.o3.gs	Method	GENSCAN
Start	8743	End	10728
GI	none	Score	.49
Exons	8743..8789, 8938..9706, 9739..10011, 10150..10294, 10439..10528, 10595..10728		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73638	Strand	-
Start	12120	End	12253
Name	OJ990308_03.9A05.C21.o4.tm	Method	TBLASTX:Maize
Start	2556	End	3149
GI	none	Score	146
Exons	2556..2708, 2560..2673, 2562..2699, 2573..2707, 2573..2674, 2607..2759, 2664..2882, 2705..2899, 2716..2901, 2718..2900, 2834..2917, 2873..2917, 3006..3149, 3008..3133, 3009..3137		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73638	Strand	-
Start	12120	End	12253
Name	OJ990308_03.9A05.C21.o1.ts	Method	TBLASTX:Soybean
Start	3365	End	4049
GI	none	Score	134
Exons	3365..3460, 3366..3473, 3544..3810, 3545..3799, 3552..3818, 3922..3981, 3942..3977, 3979..4047, 3984..4049		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21

Gene No.	73638	Strand	-
Start	12120	End	12253
Name	OJ990308_03.9A05.C21.o1.tm	Method	TBLASTX:Maize
Start	3410	End	4023
GI	none	Score	79
Exons	3410..3472, 3411..3473, 3545..3796, 3546..3797, 3892..4023, 3895..4023		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73638	Strand	-
Start	12120	End	12253
Name	OJ990308_03.9A05.C21.o1.tc	Method	TBLASTX:Cress
Start	3552	End	4571
GI	none	Score	152
Exons	3552..3800, 3907..3999, 3997..4068, 4422..4571		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73638	Strand	-
Start	12120	End	12253
Name	OJ990308_03.9A05.C21.o5.tm	Method	TBLASTX:Maize
Start	4252	End	4885
GI	none	Score	75
Exons	4252..4338, 4253..4336, 4421..4567, 4422..4574, 4793..4885		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73638	Strand	-
Start	12120	End	12253
Name	OJ990308_03.9A05.C21.o2.ts	Method	TBLASTX:Soybean
Start	4301	End	5262
GI	none	Score	61
Exons	4301..4336, 4422..4574, 4424..4573, 4792..4893, 4793..4945, 5025..5207, 5032..5088, 5119..5208, 5209..5262		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73638	Strand	-
Start	12120	End	12253
Name	OJ990308_03.9A05.C21.o6.tm	Method	TBLASTX:Maize
Start	4886	End	5262
GI	none	Score	48
Exons	4886..4945, 5026..5076, 5083..5124, 5085..5123, 5103..5180, 5104..5181, 5104..5202, 5176..5208, 5208..5261, 5209..5262		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73638	Strand	-
Start	12120	End	12253
Name	OJ990308_03.9A05.C21.o8.tm	Method	TBLASTX:Maize
Start	8668	End	9133
GI	none	Score	82
Exons	8668..8787, 8779..8823, 8889..8924, 8918..9133		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73638	Strand	-
Start	12120	End	12253
Name	OJ990308_03.9A05.C21.o3.tm	Method	TBLASTX:Maize
Start	9137	End	9634
GI	none	Score	126
Exons	9137..9277, 9292..9531, 9302..9535, 9554..9634, 9556..9618		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73638	Strand	-
Start	12120	End	12253
Name	OJ990308_03.9A05.C21.o2.tm	Method	TBLASTX:Maize
Start	9635	End	10298
GI	none	Score	70
Exons	9635..9715, 9635..9703, 9726..9785, 9727..9834, 9832..10296, 9835..10290, 9846..10298		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73638	Strand	-
Start	12120	End	12253
Name	OJ990308_03.9A05.C21.o1.tw	Method	TBLASTX:Wheat
Start	9937	End	10377
GI	none	Score	159
Exons	9937..10152, 9942..10196, 10243..10377		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73638	Strand	-
Start	12120	End	12253
Name	OJ990308_03.9A05.C21.o7.tm	Method	TBLASTX:Maize
Start	10522	End	10770
GI	none	Score	189
Exons	10522..10770		

Seq. No.	35696	Seq. ID	OJ990308_03.9A05.C21
Gene No.	73638	Strand	-
Start	12120	End	12253
Name	OJ990308_03.9A05.C21.o4.gs	Method	GENSCAN
Start	12120	End	12253
GI	none	Score	.52
Exons	12120..12253		

Seq. No.	35697	Seq. ID	OJ990308_03.9A05.C22
Gene No.	73639	Strand	+
Start	1	End	656
Name	OJ990308_03.9A05.C22.o1.np	Method	AAT/NAP
Start	1	End	656
GI	3540207	Score	222
Exons	1..122, 228..299, 384..656		
GI Descrip.	(AC004260) Putative protein kinase [Arabidopsis thaliana]		

Seq. No.	35697	Seq. ID	OJ990308_03.9A05.C22
Gene No.	73639	Strand	+
Start	1	End	656
Name	OJ990308_03.9A05.C22.o1.gp	Method	AAT/GAP
Start	56	End	538
GI	LIB3434-045-P1-K1-C7	Score	748
Exons	56..299, 384..538		
GI Descrip.	'3540207 3.0e-16 (AC004260) Putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	35697	Seq. ID	OJ990308_03.9A05.C22
Gene No.	73639	Strand	+
Start	1	End	656
Name	OJ990308_03.9A05.C22.o1.gs	Method	GENSCAN

Start	384	End	632
GI	none	Score	.5
Exons	384..632		

Seq. No.	35697	Seq. ID	OJ990308_03.9A05.C22
Gene No.	73640	Strand	+
Start	560	End	769
Name	OJ990308_03.9A05.C22.o1.ts	Method	TBLASTX:Soybean
Start	202	End	655
GI	none	Score	134
Exons	202..297, 203..310, 381..647,	382..636,	389..655, 488..649

Seq. No.	35697	Seq. ID	OJ990308_03.9A05.C22
Gene No.	73640	Strand	+
Start	560	End	769
Name	OJ990308_03.9A05.C22.o1.tm	Method	TBLASTX:Maize
Start	247	End	634
GI	none	Score	79
Exons	247..309, 248..310, 382..633,	383..634	

Seq. No.	35697	Seq. ID	OJ990308_03.9A05.C22
Gene No.	73640	Strand	+
Start	560	End	769
Name	OJ990308_03.9A05.C22.o2.gp	Method	AAT/GAP
Start	560	End	769
GI	21408_1.R1084	Score	206
Exons	560..632, 730..769		
GI Descrip.	'4512705/gb\|AAD21758.1\| 1.0e-36 (AC006569) putative serine/threonine protein kinase [Arabidopsis thaliana]'		

Seq. No.	35698	Seq. ID	OJ990308_03.9A05.C23
Gene No.	73641	Strand	-
Start	300	End	430
Name	OJ990308_03.9A05.C23.o1.gs	Method	GENSCAN
Start	300	End	430
GI	none	Score	.83
Exons	300..430		

Seq. No.	35699	Seq. ID	OJ990308_03.9A05.C27
Gene No.	73642	Strand	-
Start	1	End	683
Name	OJ990308_03.9A05.C27.o1.np	Method	AAT/NAP
Start	1	End	683
GI	6706414	Score	183
Exons	1..106, 276..683		
GI Descrip.	(AL133248) putative protein [Arabidopsis thaliana]		

Seq. No.	35699	Seq. ID	OJ990308_03.9A05.C27
Gene No.	73642	Strand	-
Start	1	End	683
Name	OJ990308_03.9A05.C27.o1.gs	Method	GENSCAN
Start	284	End	435
GI	none	Score	.72
Exons	284..435		

Seq. No.	35700	Seq. ID	OJ990308_03.9A05.C28
Gene No.	73643	Strand	-

Start	1	End	644
Name	OJ990308_03.9A05.C28.o1.np	Method	AAT/NAP
Start	1	End	644
GI	6665543	Score	572
Exons	1..644		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	35700	Seq. ID	OJ990308_03.9A05.C28
Gene No.	73643	Strand	-
Start	1	End	644
Name	OJ990308_03.9A05.C28.o1.tc	Method	TBLASTX:Cress
Start	58	End	630
GI	none	Score	84
Exons	58..213, 58..216, 90..224, 95..220, 217..630, 269..487, 271..519		

Seq. No.	35700	Seq. ID	OJ990308_03.9A05.C28
Gene No.	73643	Strand	-
Start	1	End	644
Name	OJ990308_03.9A05.C28.o1.tm	Method	TBLASTX:Maize
Start	58	End	630
GI	none	Score	82
Exons	58..213, 59..142, 223..630, 247..528, 275..616		

Seq. No.	35700	Seq. ID	OJ990308_03.9A05.C28
Gene No.	73643	Strand	-
Start	1	End	644
Name	OJ990308_03.9A05.C28.o1.ts	Method	TBLASTX:Soybean
Start	58	End	642
GI	none	Score	59
Exons	58..216, 59..127, 93..164, 238..420, 272..385, 403..642, 407..487		

Seq. No.	35700	Seq. ID	OJ990308_03.9A05.C28
Gene No.	73643	Strand	-
Start	1	End	644
Name	OJ990308_03.9A05.C28.o1.tw	Method	TBLASTX:Wheat
Start	160	End	540
GI	none	Score	105
Exons	160..216, 240..416, 241..540, 264..416, 269..481		

Seq. No.	35701	Seq. ID	OJ990318_03.9A03.C1
Gene No.	73644	Strand	-
Start	820	End	1027
Name	OJ990318_03.9A03.C1.o1.ts	Method	TBLASTX:Soybean
Start	802	End	1020
GI	none	Score	107
Exons	802..1011, 838..1020, 848..1015		

Seq. No.	35701	Seq. ID	OJ990318_03.9A03.C1
Gene No.	73644	Strand	-
Start	820	End	1027
Name	OJ990318_03.9A03.C1.o1.tm	Method	TBLASTX:Maize
Start	817	End	1027
GI	none	Score	244
Exons	817..1026, 818..1027		

Seq. No.	35701	Seq. ID	OJ990318_03.9A03.C1

Gene No.	73644	Strand	-
Start	820	End	1027
Name	OJ990318_03.9A03.C1.o1.gs	Method	GENSCAN
Start	820	End	981
GI	none	Score	.62
Exons	820..981		

Seq. No.	35702	Seq. ID	OJ990318_03.9A03.C2
Gene No.	73645	Strand	-
Start	1	End	1634
Name	OJ990318_03.9A03.C2.o1.np	Method	AAT/NAP
Start	1	End	1579
GI	1705765	Score	223
Exons	1..48, 80..410, 901..1040, 1334..1579		
GI Descrip.	CFXQ PROTEIN HOMOLOG gi\|2147549\|pir\|\|S73149 hypothetical protein 301 - Porphyra purpurea chloroplast gi\|1276694 (U38804) ORF301 [Porphyra purpurea]		

Seq. No.	35702	Seq. ID	OJ990318_03.9A03.C2
Gene No.	73645	Strand	-
Start	1	End	1634
Name	OJ990318_03.9A03.C2.o1.tm	Method	TBLASTX:Maize
Start	2	End	389
GI	none	Score	472
Exons	2..388, 3..389, 3..389		

Seq. No.	35702	Seq. ID	OJ990318_03.9A03.C2
Gene No.	73645	Strand	-
Start	1	End	1634
Name	OJ990318_03.9A03.C2.o1.ts	Method	TBLASTX:Soybean
Start	40	End	422
GI	none	Score	295
Exons	40..417, 40..306, 42..422		

Seq. No.	35702	Seq. ID	OJ990318_03.9A03.C2
Gene No.	73645	Strand	-
Start	1	End	1634
Name	OJ990318_03.9A03.C2.o1.gp	Method	AAT/GAP
Start	290	End	1428
GI	426496	Score	656
Exons	290..410, 901..1040, 1334..1428		
GI Descrip.	134777/sp\|P27643\|SP5K_BACSU 1.0e-22 STAGE V SPORULATION PROTEIN K >gi_98485_pir__S16301 spoVJ protein - Bacillus subtilis >gi_40197_emb_CAA42049_ (X59412) spoVJ [Bacillus subtilis]		

Seq. No.	35702	Seq. ID	OJ990318_03.9A03.C2
Gene No.	73645	Strand	-
Start	1	End	1634
Name	OJ990318_03.9A03.C2.o2.ts	Method	TBLASTX:Soybean
Start	898	End	1403
GI	none	Score	209
Exons	898..1059, 902..1042, 1302..1403, 1327..1395		

Seq. No.	35702	Seq. ID	OJ990318_03.9A03.C2
Gene No.	73645	Strand	-
Start	1	End	1634
Name	OJ990318_03.9A03.C2.o2.tm	Method	TBLASTX:Maize

Start	920	End	1634
GI	none	Score	49
Exons	920..943, 920..943, 928..1059, 929..1042, 1302..1454, 1327..1452, 1337..1453, 1337..1516, 1451..1630, 1458..1634		

Seq. No.	35703	Seq. ID	OJ990318_03.9A03.C3
Gene No.	73646	Strand	+
Start	325	End	10757
Name	OJ990318_03.9A03.C3.o1.gs	Method	GENSCAN
Start	325	End	10757
GI	none	Score	.48
Exons	325..443, 1582..1669, 2281..2384, 6606..6767, 6954..7255, 7334..7546, 7762..7846, 9300..9441, 9802..9907, 10648..10757		

Seq. No.	35703	Seq. ID	OJ990318_03.9A03.C3
Gene No.	73647	Strand	-
Start	1	End	2327
Name	OJ990318_03.9A03.C3.o1.np	Method	AAT/NAP
Start	1	End	2327
GI	1841966	Score	48
Exons	1..23, 85..231, 349..407, 2258..2327		
GI Descrip.	(U65916) ankyrin [Rattus norvegicus]		

Seq. No.	35703	Seq. ID	OJ990318_03.9A03.C3
Gene No.	73647	Strand	-
Start	1	End	2327
Name	OJ990318_03.9A03.C3.o1.ts	Method	TBLASTX:Soybean
Start	79	End	1533
GI	none	Score	95
Exons	79..201, 98..202, 307..417, 308..409, 1411..1533		

Seq. No.	35703	Seq. ID	OJ990318_03.9A03.C3
Gene No.	73647	Strand	-
Start	1	End	2327
Name	OJ990318_03.9A03.C3.o2.tm	Method	TBLASTX:Maize
Start	79	End	1573
GI	none	Score	136
Exons	79..201, 98..202, 104..202, 147..203, 307..417, 308..409, 308..418, 309..419, 1399..1497, 1406..1519, 1411..1557, 1511..1573		

Seq. No.	35703	Seq. ID	OJ990318_03.9A03.C3
Gene No.	73648	Strand	
Start	7176	End	7549
Name	OJ990318_03.9A03.C3.o3.tm	Method	TBLASTX:Maize
Start	7176	End	7549
GI	none	Score	95
Exons	7176..7256, 7195..7269, 7335..7400, 7336..7401, 7444..7548, 7481..7549, 7492..7548		

Seq. No.	35703	Seq. ID	OJ990318_03.9A03.C3
Gene No.	73649	Strand	
Start	8656	End	10724
Name	OJ990318_03.9A03.C3.o1.tc	Method	TBLASTX:Cress
Start	8656	End	10724
GI	none	Score	92
Exons	8656..8739, 9262..9444, 9264..9335, 9396..9440, 9799..9897,		

9799..9882, 10638..10724

Seq. No.	35703	Seq. ID	OJ990318_03.9A03.C3
Gene No.	73649	Strand	
Start	8656	End	10724
Name	OJ990318_03.9A03.C3.o1.tm	Method	TBLASTX:Maize
Start	9262	End	9918
GI	none	Score	264
Exons	9262..9444, 9264..9440, 9756..9902, 9799..9918		

Seq. No.	35704	Seq. ID	OJ990318_03.9A03.C4
Gene No.	73650	Strand	+
Start	135	End	1203
Name	OJ990318_03.9A03.C4.o1.np	Method	AAT/NAP
Start	135	End	1203
GI	2213632	Score	85
Exons	135..186, 687..866, 1122..1203		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	35704	Seq. ID	OJ990318_03.9A03.C4
Gene No.	73651	Strand	-
Start	817	End	1154
Name	OJ990318_03.9A03.C4.o2.np	Method	AAT/NAP
Start	817	End	1154
GI	3252814	Score	107
Exons	817..1154		
GI Descrip.	(AC004705) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35705	Seq. ID	OJ990318_03.9A03.C5
Gene No.	73652	Strand	+
Start	2121	End	4144
Name	OJ990318_03.9A03.C5.o2.np	Method	AAT/NAP
Start	2121	End	4144
GI	1545805	Score	88
Exons	2121..2177, 2958..3158, 4043..4144		
GI Descrip.	(D64052) cytochrome P450 like_TBP [Nicotiana tabacum]		

Seq. No.	35705	Seq. ID	OJ990318_03.9A03.C5
Gene No.	73653	Strand	-
Start	1896	End	2296
Name	OJ990318_03.9A03.C5.o1.np	Method	AAT/NAP
Start	1896	End	2296
GI	556409	Score	140
Exons	1896..1974, 2131..2296		
GI Descrip.	(L34551) transcriptional activator protein [Oryza sativa]		

Seq. No.	35706	Seq. ID	OJ990318_03.9A03.C6
Gene No.	73654	Strand	-
Start	267	End	1399
Name	OJ990318_03.9A03.C6.o1.gs	Method	GENSCAN
Start	267	End	1274
GI	none	Score	.86
Exons	267..314, 586..786, 904..1029, 1200..1274		

Seq. No.	35706	Seq. ID	OJ990318_03.9A03.C6
Gene No.	73654	Strand	-
Start	267	End	1399

Name	OJ990318_03.9A03.C6.o1.gp	Method	AAT/GAP
Start	383	End	1278
GI	315_1.R1084	Score	1151
Exons	383..786, 904..1029, 1200..1278		
GI Descrip.	'556409 1.0e-146 (L34551) transcriptional activator protein [Oryza sativa]'		

Seq. No.	35706	Seq. ID	OJ990318_03.9A03.C6
Gene No.	73654	Strand	-
Start	267	End	1399
Name	OJ990318_03.9A03.C6.o1.np	Method	AAT/NAP
Start	535	End	1399
GI	556409	Score	698
Exons	535..786, 904..1029, 1200..1399		
GI Descrip.	(L34551) transcriptional activator protein [Oryza sativa]		

Seq. No.	35706	Seq. ID	OJ990318_03.9A03.C6
Gene No.	73654	Strand	-
Start	267	End	1399
Name	OJ990318_03.9A03.C6.o1.tm	Method	TBLASTX:Maize
Start	628	End	1032
GI	none	Score	79
Exons	628..687, 725..787, 757..792, 860..1015, 895..1032, 895..1032		

Seq. No.	35706	Seq. ID	OJ990318_03.9A03.C6
Gene No.	73654	Strand	-
Start	267	End	1399
Name	OJ990318_03.9A03.C6.o1.tw	Method	TBLASTX:Wheat
Start	694	End	1262
GI	none	Score	93
Exons	694..792, 704..787, 895..1032, 896..1012, 1197..1262, 1198..1260		

Seq. No.	35707	Seq. ID	OJ990318_03.9A03.C7
Gene No.	73655	Strand	+
Start	3390	End	4397
Name	OJ990318_03.9A03.C7.o2.gs	Method	GENSCAN
Start	3390	End	4397
GI	none	Score	.7
Exons	3390..4397		

Seq. No.	35707	Seq. ID	OJ990318_03.9A03.C7
Gene No.	73656	Strand	-
Start	1	End	2808
Name	OJ990318_03.9A03.C7.o1.np	Method	AAT/NAP
Start	1	End	2310
GI	556409	Score	883
Exons	1..126, 297..372, 528..687, 985..1090, 2137..2310		
GI Descrip.	(L34551) transcriptional activator protein [Oryza sativa]		

Seq. No.	35707	Seq. ID	OJ990318_03.9A03.C7
Gene No.	73656	Strand	-
Start	1	End	2808
Name	OJ990318_03.9A03.C7.o1.gp	Method	AAT/GAP
Start	60	End	2490
GI	315_1.R1084	Score	1408
Exons	60..126, 297..372, 528..687, 985..1090, 2137..2490		
GI Descrip.	'556409 1.0e-146 (L34551) transcriptional activator protein		

[Oryza sativa]'

Seq. No.	35707	Seq. ID	OJ990318_03.9A03.C7
Gene No.	73656	Strand	-
Start	1	End	2808
Name	OJ990318_03.9A03.C7.o1.gs	Method	GENSCAN
Start	398	End	2808
GI	none	Score	.77
Exons	398..687, 985..1093, 2137..2343, 2493..2502, 2576..2808		

Seq. No.	35708	Seq. ID	OJ990318_03.9A03.C8
Gene No.	73657	Strand	+
Start	339	End	812
Name	OJ990318_03.9A03.C8.o1.gs	Method	GENSCAN
Start	339	End	812
GI	none	Score	.4
Exons	339..812		

Seq. No.	35708	Seq. ID	OJ990318_03.9A03.C8
Gene No.	73658	Strand	+
Start	2766	End	3938
Name	OJ990318_03.9A03.C8.o2.gs	Method	GENSCAN
Start	2766	End	3938
GI	none	Score	.67
Exons	2766..2823, 3355..3485, 3633..3829, 3878..3938		

Seq. No.	35708	Seq. ID	OJ990318_03.9A03.C8
Gene No.	73659	Strand	+
Start	7724	End	10168
Name	OJ990318_03.9A03.C8.o4.gs	Method	GENSCAN
Start	7724	End	10168
GI	none	Score	.63
Exons	7724..7816, 8293..8379, 10064..10168		

Seq. No.	35708	Seq. ID	OJ990318_03.9A03.C8
Gene No.	73660	Strand	+
Start	11007	End	18573
Name	OJ990318_03.9A03.C8.o5.gs	Method	GENSCAN
Start	11007	End	18573
GI	none	Score	.48
Exons	11007..11482, 11923..12231, 13740..13848, 14588..14814, 15765..15842, 15874..15965, 18122..18573		

Seq. No.	35708	Seq. ID	OJ990318_03.9A03.C8
Gene No.	73660	Strand	+
Start	11007	End	18573
Name	OJ990318_03.9A03.C8.o1.np	Method	AAT/NAP
Start	11019	End	12232
GI	1040877	Score	937
Exons	11019..11482, 11923..12232		
GI Descrip.	(U30460) expansin S2 precursor [Cucumis sativus]		

Seq. No.	35708	Seq. ID	OJ990318_03.9A03.C8
Gene No.	73660	Strand	+
Start	11007	End	18573
Name	OJ990318_03.9A03.C8.o1.gp	Method	AAT/GAP
Start	14707	End	14759

GI	none	Score	61
Exons	14707..14759		

Seq. No.	35708	Seq. ID	OJ990318_03.9A03.C8
Gene No.	73661	Strand	-
Start	16286	End	16366
Name	OJ990318_03.9A03.C8.o2.gp	Method	AAT/GAP
Start	16286	End	16366
GI	38012_1.R1084	Score	99
Exons	16286..16366		
GI Descrip.	'4097947/gb\|U72255\|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	35708	Seq. ID	OJ990318_03.9A03.C8
Gene No.	73662	Strand	-
Start	17832	End	21320
Name	OJ990318_03.9A03.C8.o3.ts	Method	TBLASTX:Soybean
Start	3648	End	9052
GI	none	Score	149
Exons	3648..3761, 3650..3775, 3790..3831, 3791..3832, 7163..7258, 7170..7259, 7332..7409, 7333..7410, 8290..8376, 8984..9052, 8986..9051		

Seq. No.	35708	Seq. ID	OJ990318_03.9A03.C8
Gene No.	73662	Strand	-
Start	17832	End	21320
Name	OJ990318_03.9A03.C8.o4.tm	Method	TBLASTX:Maize
Start	7170	End	9212
GI	none	Score	123
Exons	7170..7259, 7170..7247, 7171..7260, 7171..7254, 7178..7270, 7333..7410, 7337..7411, 8290..8379, 8290..8379, 8982..9050, 8983..9051, 8983..9051, 8984..9052, 9119..9208, 9149..9211, 9150..9212		

Seq. No.	35708	Seq. ID	OJ990318_03.9A03.C8
Gene No.	73662	Strand	-
Start	17832	End	21320
Name	OJ990318_03.9A03.C8.o1.tc	Method	TBLASTX:Cress
Start	11097	End	11483
GI	none	Score	561
Exons	11097..11483, 11102..11482		

Seq. No.	35708	Seq. ID	OJ990318_03.9A03.C8
Gene No.	73662	Strand	-
Start	17832	End	21320
Name	OJ990318_03.9A03.C8.o1.ts	Method	TBLASTX:Soybean
Start	11097	End	11417
GI	none	Score	502
Exons	11097..11417, 11102..11416		

Seq. No.	35708	Seq. ID	OJ990318_03.9A03.C8
Gene No.	73662	Strand	-
Start	17832	End	21320
Name	OJ990318_03.9A03.C8.o1.tm	Method	TBLASTX:Maize
Start	11100	End	12235
GI	none	Score	547
Exons	11100..11483, 11102..11482, 11921..12052, 11921..12025,		

12059..12235, 12059..12229

Seq. No.	35708	Seq. ID	OJ990318_03.9A03.C8
Gene No.	73662	Strand	-
Start	17832	End	21320
Name	OJ990318_03.9A03.C8.o2.ts	Method	TBLASTX:Soybean
Start	11891	End	12213
GI	none	Score	166
Exons	11891..12031, 11914..12048, 11921..12052, 12059..12211, 12059..12205, 12067..12213		

Seq. No.	35708	Seq. ID	OJ990318_03.9A03.C8
Gene No.	73662	Strand	-
Start	17832	End	21320
Name	OJ990318_03.9A03.C8.o2.tc	Method	TBLASTX:Cress
Start	11914	End	12211
GI	none	Score	323
Exons	11914..12207, 11921..12211		

Seq. No.	35708	Seq. ID	OJ990318_03.9A03.C8
Gene No.	73662	Strand	-
Start	17832	End	21320
Name	OJ990318_03.9A03.C8.o2.np	Method	AAT/NAP
Start	17832	End	21320
GI	6069646	Score	1091
Exons	17832..18798, 19081..19119, 21172..21320		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	35708	Seq. ID	OJ990318_03.9A03.C8
Gene No.	73662	Strand	-
Start	17832	End	21320
Name	OJ990318_03.9A03.C8.o3.tm	Method	TBLASTX:Maize
Start	17947	End	18399
GI	none	Score	211
Exons	17947..18075, 18076..18399		

Seq. No.	35708	Seq. ID	OJ990318_03.9A03.C8
Gene No.	73662	Strand	-
Start	17832	End	21320
Name	OJ990318_03.9A03.C8.o2.tm	Method	TBLASTX:Maize
Start	18721	End	19092
GI	none	Score	151
Exons	18721..19092, 18731..19054		

Seq. No.	35708	Seq. ID	OJ990318_03.9A03.C8
Gene No.	73662	Strand	-
Start	17832	End	21320
Name	OJ990318_03.9A03.C8.o6.gs	Method	GENSCAN
Start	19471	End	20440
GI	none	Score	.53
Exons	19471..19549, 20310..20440		

Seq. No.	35709	Seq. ID	OJ990318_03.9A03.C9

Gene No.	73663	Strand	+
Start	56	End	219
Name	OJ990318_03.9A03.C9.o1.gs	Method	GENSCAN
Start	56	End	219
GI	none	Score	.81
Exons	56..219		

Seq. No.	35709	Seq. ID	OJ990318_03.9A03.C9
Gene No.	73664	Strand	-
Start	1	End	1136
Name	OJ990318_03.9A03.C9.o1.np	Method	AAT/NAP
Start	1	End	1136
GI	3193294	Score	70
Exons	1..161, 1000..1136		
GI Descrip.	(AF069298) similar to reverse transcriptases (Pfam: rvt.hmm, score: 53.76) [Arabidopsis thaliana]		

Seq. No.	35709	Seq. ID	OJ990318_03.9A03.C9
Gene No.	73664	Strand	-
Start	1	End	1136
Name	OJ990318_03.9A03.C9.o2.gs	Method	GENSCAN
Start	511	End	1033
GI	none	Score	.54
Exons	511..589, 894..1033		

Seq. No.	35710	Seq. ID	OJ990318_03.9A03.C12
Gene No.	73665	Strand	-
Start	1350	End	2028
Name	OJ990318_03.9A03.C12.o1.gs	Method	GENSCAN
Start	1350	End	1830
GI	none	Score	.72
Exons	1350..1520, 1768..1830		

Seq. No.	35710	Seq. ID	OJ990318_03.9A03.C12
Gene No.	73665	Strand	-
Start	1350	End	2028
Name	OJ990318_03.9A03.C12.o1.np	Method	AAT/NAP
Start	1467	End	2028
GI	5042454	Score	249
Exons	1467..1520, 1768..2028		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	35710	Seq. ID	OJ990318_03.9A03.C12
Gene No.	73665	Strand	-
Start	1350	End	2028
Name	OJ990318_03.9A03.C12.o1.gp	Method	AAT/GAP
Start	1575	End	1909
GI	uC-osf1cyp172a09a1	Score	483
Exons	1575..1909		
GI Descrip.	'5803242/dbj\|AP000399.1\|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	35711	Seq. ID	OJ990318_03.9A03.C15
Gene No.	73666	Strand	-
Start	1004	End	1058
Name	OJ990318_03.9A03.C15.o1.gs	Method	GENSCAN
Start	1004	End	1058

GI	none	Score	.4
Exons	1004..1058		

Seq. No.	35712	Seq. ID	OJ990318_03.9A03.C16
Gene No.	73667	Strand	+
Start	1	End	2288
Name	OJ990318_03.9A03.C16.o1.np	Method	AAT/NAP
Start	1	End	723
GI	1040877	Score	802
Exons	1..299, 414..723		
GI Descrip.	(U30460) expansin S2 precursor [Cucumis sativus]		

Seq. No.	35712	Seq. ID	OJ990318_03.9A03.C16
Gene No.	73667	Strand	+
Start	1	End	2288
Name	OJ990318_03.9A03.C16.o1.gs	Method	GENSCAN
Start	79	End	2288
GI	none	Score	.63
Exons	79..299, 414..561, 1250..1379, 1797..1975, 2214..2288		

Seq. No.	35712	Seq. ID	OJ990318_03.9A03.C16
Gene No.	73668	Strand	-
Start	3541	End	5209
Name	OJ990318_03.9A03.C16.o1.tc	Method	TBLASTX:Cress
Start	1	End	708
GI	none	Score	110
Exons	1..99, 12..74, 108..131, 112..132, 136..300, 150..287, 399..704, 400..702, 547..708		

Seq. No.	35712	Seq. ID	OJ990318_03.9A03.C16
Gene No.	73668	Strand	-
Start	3541	End	5209
Name	OJ990318_03.9A03.C16.o1.ts	Method	TBLASTX:Soybean
Start	1	End	702
GI	none	Score	129
Exons	1..96, 12..74, 136..300, 147..299, 399..473, 400..543, 411..539, 543..701, 543..698, 544..702		

Seq. No.	35712	Seq. ID	OJ990318_03.9A03.C16
Gene No.	73668	Strand	-
Start	3541	End	5209
Name	OJ990318_03.9A03.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	726
GI	none	Score	417
Exons	1..300, 6..299, 226..300, 390..536, 400..543, 544..726, 567..719		

Seq. No.	35712	Seq. ID	OJ990318_03.9A03.C16
Gene No.	73668	Strand	-
Start	3541	End	5209
Name	OJ990318_03.9A03.C16.o1.tw	Method	TBLASTX:Wheat
Start	153	End	587
GI	none	Score	107
Exons	153..245, 157..300, 375..536, 400..543, 538..585, 543..587		

Seq. No.	35712	Seq. ID	OJ990318_03.9A03.C16
Gene No.	73668	Strand	-
Start	3541	End	5209

Name	OJ990318_03.9A03.C16.o2.gs	Method	GENSCAN
Start	3541	End	5209
GI	none	Score	.56
Exons	3541..3612, 5039..5209		

Seq. No.	35713	Seq. ID	OJ990318_03.9A03.C19
Gene No.	73669	Strand	+
Start	326	End	351
Name	OJ990318_03.9A03.C19.o1.gs	Method	GENSCAN
Start	326	End	351
GI	none	Score	.56
Exons	326..351		

Seq. No.	35714	Seq. ID	OJ990318_03.9A03.C20
Gene No.	73670	Strand	+
Start	20	End	104
Name	OJ990318_03.9A03.C20.o1.gs	Method	GENSCAN
Start	20	End	104
GI	none	Score	.8
Exons	20..104		

Seq. No.	35715	Seq. ID	OJ990318_03.9A03.C21
Gene No.	73671	Strand	-
Start	193	End	759
Name	OJ990318_03.9A03.C21.o1.gs	Method	GENSCAN
Start	193	End	717
GI	none	Score	.84
Exons	193..717		

Seq. No.	35715	Seq. ID	OJ990318_03.9A03.C21
Gene No.	73671	Strand	-
Start	193	End	759
Name	OJ990318_03.9A03.C21.o1.np	Method	AAT/NAP
Start	196	End	759
GI	2586083	Score	296
Exons	196..759		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	35715	Seq. ID	OJ990318_03.9A03.C21
Gene No.	73671	Strand	-
Start	193	End	759
Name	OJ990318_03.9A03.C21.o1.tm	Method	TBLASTX:Maize
Start	211	End	618
GI	none	Score	111
Exons	211..333, 406..618, 443..616		

Seq. No.	35715	Seq. ID	OJ990318_03.9A03.C21
Gene No.	73671	Strand	-
Start	193	End	759
Name	OJ990318_03.9A03.C21.o1.tc	Method	TBLASTX:Cress
Start	481	End	759
GI	none	Score	86
Exons	481..621, 512..616, 671..754, 682..759		

Seq. No.	35715	Seq. ID	OJ990318_03.9A03.C21
Gene No.	73671	Strand	-
Start	193	End	759

Name	OJ990318_03.9A03.C21.o1.ts	Method	TBLASTX:Soybean
Start	496	End	759
GI	none	Score	100
Exons	496..654, 524..688, 658..759		

Seq. No.	35715	Seq. ID	OJ990318_03.9A03.C21
Gene No.	73671	Strand	-
Start	193	End	759
Name	OJ990318_03.9A03.C21.o1.tw	Method	TBLASTX:Wheat
Start	502	End	759
GI	none	Score	81
Exons	502..642, 512..631, 658..759		

Seq. No.	35716	Seq. ID	OJ990318_03.9A03.C22
Gene No.	73672	Strand	+
Start	544	End	823
Name	OJ990318_03.9A03.C22.o1.np	Method	AAT/NAP
Start	544	End	823
GI	2213632	Score	150
Exons	544..823		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	35717	Seq. ID	OJ990318_03.9A03.C25
Gene No.	73673	Strand	+
Start	398	End	546
Name	OJ990318_03.9A03.C25.o1.gs	Method	GENSCAN
Start	398	End	546
GI	none	Score	.66
Exons	398..546		

Seq. No.	35717	Seq. ID	OJ990318_03.9A03.C25
Gene No.	73674	Strand	-
Start	360	End	558
Name	OJ990318_03.9A03.C25.o1.np	Method	AAT/NAP
Start	360	End	558
GI	6069646	Score	198
Exons	360..558		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	35718	Seq. ID	OJ990318_03.9A03.C26
Gene No.	73675	Strand	-
Start	882	End	1014
Name	OJ990318_03.9A03.C26.o1.gs	Method	GENSCAN
Start	882	End	1014
GI	none	Score	.56
Exons	882..1014		

Seq. No.	35719	Seq. ID	OJ990318_03.9A03.C27
Gene No.	73676	Strand	+
Start	76	End	855
Name	OJ990318_03.9A03.C27.o1.gs	Method	GENSCAN
Start	76	End	855
GI	none	Score	.74

Exons	76..855		
Seq. No.	35720	Seq. ID	OJ990318_03.9A03.C28
Gene No.	73677	Strand	-
Start	878	End	1600
Name	OJ990318_03.9A03.C28.o1.gs	Method	GENSCAN
Start	878	End	1600
GI	none	Score	.42
Exons	878..1600		
Seq. No.	35720	Seq. ID	OJ990318_03.9A03.C28
Gene No.	73677	Strand	-
Start	878	End	1600
Name	OJ990318_03.9A03.C28.o1.tm	Method	TBLASTX:Maize
Start	902	End	1354
GI	none	Score	167
Exons	902..1204, 906..1157, 916..1200, 1026..1205, 1175..1354, 1206..1322, 1223..1351		
Seq. No.	35721	Seq. ID	OJ990318_03.9A03.C29
Gene No.	73678	Strand	-
Start	455	End	1002
Name	OJ990318_03.9A03.C29.o1.gs	Method	GENSCAN
Start	455	End	1002
GI	none	Score	.71
Exons	455..616, 718..827, 951..1002		
Seq. No.	35722	Seq. ID	OJ990318_03.9A03.C35
Gene No.	73679	Strand	-
Start	209	End	970
Name	OJ990318_03.9A03.C35.o1.gp	Method	AAT/GAP
Start	209	End	908
GI	260_2.R1084	Score	1097
Exons	209..754, 871..908		
GI Descrip.	'121477/sp\|P14614\|GLU5_ORYSA 0.0e+00 GLUTELIN PRECURSOR >gi_82471_pir__S05443 glutelin precursor (clone lambda-RG21) - rice >gi_20227_emb_CAA32566_ (X14393) preprolglutelin (AA -24 to 476) [Oryza sativa] >gi_226767_prf__1604474A glutelin [Oryza sativa]'		
Seq. No.	35722	Seq. ID	OJ990318_03.9A03.C35
Gene No.	73679	Strand	-
Start	209	End	970
Name	OJ990318_03.9A03.C35.o1.gs	Method	GENSCAN
Start	329	End	754
GI	none	Score	.98
Exons	329..754		
Seq. No.	35722	Seq. ID	OJ990318_03.9A03.C35
Gene No.	73679	Strand	-
Start	209	End	970
Name	OJ990318_03.9A03.C35.o1.np	Method	AAT/NAP
Start	332	End	970
GI	121477	Score	740
Exons	332..754, 871..970		
GI Descrip.	GLUTELIN PRECURSOR gi\|82471\|pir\|\|S05443 glutelin precursor (clone lambda-RG21) - rice gi\|20227\|emb\|CAA32566\| (X14393)		

preprolglutelin (AA -24 to 476) [Oryza sativa]
gi|226767|prf||1604474A glutelin [Oryza sativa]

Seq. No.	35722	Seq. ID	OJ990318_03.9A03.C35
Gene No.	73679	Strand	-
Start	209	End	970
Name	OJ990318_03.9A03.C35.o1.tm	Method	TBLASTX:Maize
Start	392	End	907
GI	none	Score	213
Exons	392..757, 393..752, 506..766,	848..907	

Seq. No.	35722	Seq. ID	OJ990318_03.9A03.C35
Gene No.	73679	Strand	-
Start	209	End	970
Name	OJ990318_03.9A03.C35.o1.tc	Method	TBLASTX:Cress
Start	422	End	761
GI	none	Score	123
Exons	422..757, 468..761		

Seq. No.	35723	Seq. ID	OJ990318_03.9A03.C36
Gene No.	73680	Strand	+
Start	56	End	106
Name	OJ990318_03.9A03.C36.o1.gp	Method	AAT/GAP
Start	56	End	106
GI	260_9.R1084	Score	57
Exons	56..106		
GI Descrip.	'121477/sp\|P14614\|GLU5_ORYSA 2.0e-33 GLUTELIN PRECURSOR >gi_82471_pir__S05443 glutelin precursor (clone lambda-RG21) - rice >gi_20227_emb_CAA32566_ (X14393) preprolglutelin (AA -24 to 476) [Oryza sativa] >gi_226767_prf__1604474A glutelin [Oryza sativa]'		

Seq. No.	35723	Seq. ID	OJ990318_03.9A03.C36
Gene No.	73681	Strand	+
Start	786	End	3278
Name	OJ990318_03.9A03.C36.o1.gs	Method	GENSCAN
Start	786	End	3278
GI	none	Score	.54
Exons	786..974, 1916..1943, 2915..2972, 3131..3278		

Seq. No.	35723	Seq. ID	OJ990318_03.9A03.C36
Gene No.	73682	Strand	-
Start	3641	End	5657
Name	OJ990318_03.9A03.C36.o2.gp	Method	AAT/GAP
Start	3641	End	5657
GI	260_2.R1084	Score	3184
Exons	3641..4189, 4306..4791, 4899..5161, 5272..5657		
GI Descrip.	'121477/sp\|P14614\|GLU5_ORYSA 0.0e+00 GLUTELIN PRECURSOR >gi_82471_pir__S05443 glutelin precursor (clone lambda-RG21) - rice >gi_20227_emb_CAA32566_ (X14393) preprolglutelin (AA -24 to 476) [Oryza sativa] >gi_226767_prf__1604474A glutelin [Oryza sativa]'		

Seq. No.	35723	Seq. ID	OJ990318_03.9A03.C36
Gene No.	73682	Strand	-
Start	3641	End	5657
Name	OJ990318_03.9A03.C36.o2.gs	Method	GENSCAN

Start	3764	End	5599
GI	none	Score	.91
Exons	3764..4189, 4306..4791, 4899..5161, 5272..5599		

Seq. No.	35723	Seq. ID	OJ990318_03.9A03.C36
Gene No.	73682	Strand	-
Start	3641	End	5657
Name	OJ990318_03.9A03.C36.o1.np	Method	AAT/NAP
Start	3767	End	5599
GI	121477	Score	2513
Exons	3767..4189, 4306..4791, 4899..5161, 5272..5599		
GI Descrip.	GLUTELIN PRECURSOR gi\|82471\|pir\|\|S05443 glutelin precursor (clone lambda-RG21) - rice gi\|20227\|emb\|CAA32566\| (X14393) preprolglutelin (AA -24 to 476) [Oryza sativa] gi\|226767\|prf\|\|1604474A glutelin [Oryza sativa]		

Seq. No.	35723	Seq. ID	OJ990318_03.9A03.C36
Gene No.	73683	Strand	-
Start	6756	End	7667
Name	OJ990318_03.9A03.C36.o2.tc	Method	TBLASTX:Cress
Start	3827	End	5467
GI	none	Score	88
Exons	3827..4201, 3909..4184, 4309..4476, 4322..4501, 4576..4725, 4911..5084, 4912..5058, 5270..5467		

Seq. No.	35723	Seq. ID	OJ990318_03.9A03.C36
Gene No.	73683	Strand	-
Start	6756	End	7667
Name	OJ990318_03.9A03.C36.o2.tm	Method	TBLASTX:Maize
Start	3827	End	5455
GI	none	Score	213
Exons	3827..4192, 3828..4187, 3941..4201, 4283..4456, 4283..4456, 4285..4461, 4297..4497, 4600..4734, 4604..4657, 4899..5054, 4909..5055, 5107..5163, 5127..5168, 5211..5363, 5270..5395, 5273..5377, 5378..5455		

Seq. No.	35723	Seq. ID	OJ990318_03.9A03.C36
Gene No.	73683	Strand	-
Start	6756	End	7667
Name	OJ990318_03.9A03.C36.o1.tm	Method	TBLASTX:Maize
Start	6756	End	7547
GI	none	Score	111
Exons	6756..6932, 6763..6930, 6939..7079, 6940..7071, 6966..7079, 7175..7291, 7176..7400, 7176..7547, 7183..7545		

Seq. No.	35723	Seq. ID	OJ990318_03.9A03.C36
Gene No.	73683	Strand	-
Start	6756	End	7667
Name	OJ990318_03.9A03.C36.o3.gs	Method	GENSCAN
Start	6756	End	7667
GI	none	Score	.53
Exons	6756..7667		

Seq. No.	35723	Seq. ID	OJ990318_03.9A03.C36
Gene No.	73683	Strand	-
Start	6756	End	7667
Name	OJ990318_03.9A03.C36.o2.np	Method	AAT/NAP

Start	6759	End	7643
GI	1040877	Score	908
Exons	6759..7068, 7177..7643		
GI Descrip.	(U30460) expansin S2 precursor [Cucumis sativus]		

Seq. No.	35723	Seq. ID	OJ990318_03.9A03.C36
Gene No.	73683	Strand	-
Start	6756	End	7667
Name	OJ990318_03.9A03.C36.o1.tc	Method	TBLASTX:Cress
Start	6778	End	7553
GI	none	Score	148
Exons	6778..7071, 6780..7076, 7175..7288, 7176..7340, 7188..7319, 7189..7326, 7344..7364, 7345..7368, 7377..7553, 7402..7539		

Seq. No.	35723	Seq. ID	OJ990318_03.9A03.C36
Gene No.	73683	Strand	-
Start	6756	End	7667
Name	OJ990318_03.9A03.C36.o1.ts	Method	TBLASTX:Soybean
Start	6780	End	7554
GI	none	Score	111
Exons	6780..6932, 6784..6933, 6939..7076, 6940..7071, 7176..7319, 7176..7340, 7189..7329, 7380..7553, 7402..7554		

Seq. No.	35723	Seq. ID	OJ990318_03.9A03.C36
Gene No.	73683	Strand	-
Start	6756	End	7667
Name	OJ990318_03.9A03.C36.o1.tw	Method	TBLASTX:Wheat
Start	6897	End	7323
GI	none	Score	88
Exons	6897..6932, 6939..7076, 6940..7071, 7176..7319, 7189..7323		

Seq. No.	35724	Seq. ID	OJ990318_03.9A03.C37
Gene No.	73684	Strand	-
Start	1228	End	3942
Name	OJ990318_03.9A03.C37.o1.gs	Method	GENSCAN
Start	1228	End	3285
GI	none	Score	.73
Exons	1228..1353, 2517..2664, 2761..2982, 2993..3285		

Seq. No.	35724	Seq. ID	OJ990318_03.9A03.C37
Gene No.	73684	Strand	-
Start	1228	End	3942
Name	OJ990318_03.9A03.C37.o1.np	Method	AAT/NAP
Start	2355	End	3942
GI	1040877	Score	887
Exons	2355..2664, 2761..3129, 3847..3942		
GI Descrip.	(U30460) expansin S2 precursor [Cucumis sativus]		

Seq. No.	35724	Seq. ID	OJ990318_03.9A03.C37
Gene No.	73685	Strand	-
Start	4915	End	6251
Name	OJ990318_03.9A03.C37.o1.tm	Method	TBLASTX:Maize
Start	2349	End	3132
GI	none	Score	120
Exons	2349..2534, 2359..2535, 2535..2666, 2542..2667, 2760..2834, 2760..2924, 2761..2901, 2938..3132, 2963..3130		

Seq. No.	35724	Seq. ID	OJ990318_03.9A03.C37
Gene No.	73685	Strand	-
Start	4915	End	6251
Name	OJ990318_03.9A03.C37.o1.tc	Method	TBLASTX:Cress
Start	2374	End	3138
GI	none	Score	174
Exons	2374..2667, 2376..2666, 2760..2924, 2773..2901, 2962..3138, 2987..3136		

Seq. No.	35724	Seq. ID	OJ990318_03.9A03.C37
Gene No.	73685	Strand	-
Start	4915	End	6251
Name	OJ990318_03.9A03.C37.o1.ts	Method	TBLASTX:Soybean
Start	2376	End	3139
GI	none	Score	116
Exons	2376..2534, 2380..2535, 2535..2666, 2539..2667, 2760..2924, 2773..2901, 2965..3138, 2987..3139		

Seq. No.	35724	Seq. ID	OJ990318_03.9A03.C37
Gene No.	73685	Strand	-
Start	4915	End	6251
Name	OJ990318_03.9A03.C37.o1.tw	Method	TBLASTX:Wheat
Start	2491	End	2903
GI	none	Score	58
Exons	2491..2535, 2493..2540, 2535..2666, 2572..2670, 2760..2903, 2815..2901		

Seq. No.	35724	Seq. ID	OJ990318_03.9A03.C37
Gene No.	73685	Strand	-
Start	4915	End	6251
Name	OJ990318_03.9A03.C37.o2.gs	Method	GENSCAN
Start	4915	End	6095
GI	none	Score	.52
Exons	4915..4970, 5711..6095		

Seq. No.	35724	Seq. ID	OJ990318_03.9A03.C37
Gene No.	73685	Strand	-
Start	4915	End	6251
Name	OJ990318_03.9A03.C37.o2.tm	Method	TBLASTX:Maize
Start	5502	End	6113
GI	none	Score	69
Exons	5502..5636, 5709..5816, 5970..6113		

Seq. No.	35724	Seq. ID	OJ990318_03.9A03.C37
Gene No.	73685	Strand	-
Start	4915	End	6251
Name	OJ990318_03.9A03.C37.o2.np	Method	AAT/NAP
Start	5535	End	6251
GI	6714351	Score	155
Exons	5535..5624, 5709..5892, 5950..6084, 6224..6251		
GI Descrip.	(AC015986) putative receptor kinase [Arabidopsis thaliana]		

Seq. No.	35725	Seq. ID	OJ990318_03.9A03.C38
Gene No.	73686	Strand	-
Start	468	End	1362
Name	OJ990318_03.9A03.C38.o1.tm	Method	TBLASTX:Maize
Start	465	End	1257

GI	none	Score	68
Exons	465..647, 465..647, 472..648, 887..1195	648..788, 655..780, 886..1257,	

Seq. No.	35725	Seq. ID	OJ990318_03.9A03.C38
Gene No.	73686	Strand	-
Start	468	End	1362
Name	OJ990318_03.9A03.C38.o1.np	Method	AAT/NAP
Start	468	End	1356
GI	1040877	Score	912
Exons	468..777, 887..1356		
GI Descrip.	(U30460) expansin S2 precursor [Cucumis sativus]		

Seq. No.	35725	Seq. ID	OJ990318_03.9A03.C38
Gene No.	73686	Strand	-
Start	468	End	1362
Name	OJ990318_03.9A03.C38.o1.tc	Method	TBLASTX:Cress
Start	483	End	1263
GI	none	Score	65
Exons	483..644, 489..779, 499..780, 1054..1074, 1055..1078, 1087..1263, 1112..1195	711..818, 886..1050, 899..1036,	

Seq. No.	35725	Seq. ID	OJ990318_03.9A03.C38
Gene No.	73686	Strand	-
Start	468	End	1362
Name	OJ990318_03.9A03.C38.o1.ts	Method	TBLASTX:Soybean
Start	486	End	1263
GI	none	Score	121
Exons	486..647, 487..648, 493..648, 886..1050, 899..1039, 1090..1263, 1112..1195	648..779, 652..780, 684..821,	

Seq. No.	35725	Seq. ID	OJ990318_03.9A03.C38
Gene No.	73686	Strand	-
Start	468	End	1362
Name	OJ990318_03.9A03.C38.o1.tw	Method	TBLASTX:Wheat
Start	604	End	1033
GI	none	Score	58
Exons	604..648, 606..653, 648..779,	655..783, 886..1029, 899..1033	

Seq. No.	35725	Seq. ID	OJ990318_03.9A03.C38
Gene No.	73686	Strand	-
Start	468	End	1362
Name	OJ990318_03.9A03.C38.o1.gs	Method	GENSCAN
Start	630	End	1362
GI	none	Score	.97
Exons	630..777, 887..1362		

Seq. No.	35726	Seq. ID	OJ990318_03.9A03.C39
Gene No.	73687	Strand	-
Start	848	End	3982
Name	OJ990318_03.9A03.C39.o1.gs	Method	GENSCAN
Start	848	End	3477
GI	none	Score	.5
Exons	848..1102, 1249..1313, 2184..2384, 2435..2715, 2804..3477		

Seq. No.	35726	Seq. ID	OJ990318_03.9A03.C39
Gene No.	73687	Strand	-

Start	848	End	3982
Name	OJ990318_03.9A03.C39.o1.np	Method	AAT/NAP
Start	2071	End	3982
GI	100903	Score	102
Exons	2071..2369, 3958..3982		
GI Descrip.	nucleic acid-binding protein - maize gi\|168526 (M74566) nucleic acid-binding protein [Zea mays]		

Seq. No.	35727	Seq. ID	OJ990318_03.9A03.C40
Gene No.	73688	Strand	-
Start	9	End	307
Name	OJ990318_03.9A03.C40.o1.gs	Method	GENSCAN
Start	9	End	307
GI	none	Score	.99
Exons	9..307		

Seq. No.	35728	Seq. ID	OJ990318_03.9A03.C42
Gene No.	73689	Strand	-
Start	112	End	782
Name	OJ990318_03.9A03.C42.o1.np	Method	AAT/NAP
Start	112	End	782
GI	6225603	Score	46
Exons	112..190, 714..782		
GI Descrip.	PROBABLE SIGNAL PEPTIDASE I-1 (SPASE I-1) (LEADER PEPTIDASE I-1) gi\|1651734\|dbj\|BAA16662\| (D90899) leader peptidase I [Synechocystis sp.]		

Seq. No.	35729	Seq. ID	OJ990318_03.9A03.C44
Gene No.	73690	Strand	+
Start	165	End	510
Name	OJ990318_03.9A03.C44.o1.gs	Method	GENSCAN
Start	165	End	510
GI	none	Score	.45
Exons	165..294, 384..510		

Seq. No.	35730	Seq. ID	OJ990318_03.9A03.C45
Gene No.	73691	Strand	+
Start	94	End	552
Name	OJ990318_03.9A03.C45.o1.gp	Method	AAT/GAP
Start	94	End	446
GI	315_1.R1084	Score	657
Exons	94..446		
GI Descrip.	'556409 1.0e-146 (L34551) transcriptional activator protein [Oryza sativa]'		

Seq. No.	35730	Seq. ID	OJ990318_03.9A03.C45
Gene No.	73691	Strand	+
Start	94	End	552
Name	OJ990318_03.9A03.C45.o1.gs	Method	GENSCAN
Start	240	End	446
GI	none	Score	.79
Exons	240..446		

Seq. No.	35730	Seq. ID	OJ990318_03.9A03.C45
Gene No.	73691	Strand	+
Start	94	End	552
Name	OJ990318_03.9A03.C45.o1.np	Method	AAT/NAP

Start	273	End	552
GI	556409	Score	285
Exons	273..450, 524..552		
GI Descrip.	(L34551) transcriptional activator protein [Oryza sativa]		

Seq. No.	35731	Seq. ID	OJ990318_03.9A03.C47
Gene No.	73692	Strand	-
Start	51	End	481
Name	OJ990318_03.9A03.C47.o1.gs	Method	GENSCAN
Start	51	End	481
GI	none	Score	.42
Exons	51..188, 238..481		

Seq. No.	35732	Seq. ID	OJ990318_03.9A03.C49
Gene No.	73693	Strand	-
Start	185	End	382
Name	OJ990318_03.9A03.C49.o1.gs	Method	GENSCAN
Start	185	End	382
GI	none	Score	.94
Exons	185..382		

Seq. No.	35733	Seq. ID	OJ990318_03.9A03.C52
Gene No.	73694	Strand	+
Start	282	End	409
Name	OJ990318_03.9A03.C52.o1.gs	Method	GENSCAN
Start	282	End	409
GI	none	Score	.49
Exons	282..409		

Seq. No.	35734	Seq. ID	OJ990318_03.9A03.C53
Gene No.	73695	Strand	-
Start	10	End	238
Name	OJ990318_03.9A03.C53.o1.gs	Method	GENSCAN
Start	10	End	238
GI	none	Score	.81
Exons	10..238		

Seq. No.	35735	Seq. ID	OJ990318_03.9A03.C55
Gene No.	73696	Strand	-
Start	175	End	668
Name	OJ990318_03.9A03.C55.o1.gs	Method	GENSCAN
Start	175	End	668
GI	none	Score	.61
Exons	175..375, 425..668		

Seq. No.	35736	Seq. ID	OJ990318_03.9A03.C56
Gene No.	73697	Strand	+
Start	160	End	464
Name	OJ990318_03.9A03.C56.o1.gs	Method	GENSCAN
Start	160	End	333
GI	none	Score	.86
Exons	160..333		

Seq. No.	35736	Seq. ID	OJ990318_03.9A03.C56
Gene No.	73697	Strand	+
Start	160	End	464
Name	OJ990318_03.9A03.C56.o1.np	Method	AAT/NAP

Start	160	End	464
GI	556409	Score	253
Exons	160..333, 407..464		
GI Descrip.	(L34551) transcriptional activator protein [Oryza sativa]		

Seq. No.	35737	Seq. ID	OJ990428_04.9A05.C2
Gene No.	73698	Strand	-
Start	1	End	757
Name	OJ990428_04.9A05.C2.o1.gp	Method	AAT/GAP
Start	1	End	259
GI	4715979	Score	441
Exons	1..259		
GI Descrip.	126411/sp\|P24095\|LOXX_SOYBN 2.0e-32 SEED LIPOXYGENASE >gi_99932_pir__S13381 lipoxygenase (EC 1.13.11.12) - soybean >gi_18746_emb_CAA39604_ (X56139) lipoxygenase [Glycine max]		

Seq. No.	35737	Seq. ID	OJ990428_04.9A05.C2
Gene No.	73698	Strand	-
Start	1	End	757
Name	OJ990428_04.9A05.C2.o1.np	Method	AAT/NAP
Start	1	End	757
GI	4464185	Score	241
Exons	1..247, 702..757		
GI Descrip.	(U76687) lipoxygenase [Phaseolus vulgaris]		

Seq. No.	35737	Seq. ID	OJ990428_04.9A05.C2
Gene No.	73698	Strand	-
Start	1	End	757
Name	OJ990428_04.9A05.C2.o1.tc	Method	TBLASTX:Cress
Start	3	End	244
GI	none	Score	60
Exons	3..158, 160..243, 179..244		

Seq. No.	35737	Seq. ID	OJ990428_04.9A05.C2
Gene No.	73698	Strand	-
Start	1	End	757
Name	OJ990428_04.9A05.C2.o1.ts	Method	TBLASTX:Soybean
Start	3	End	243
GI	none	Score	127
Exons	3..158, 154..243		

Seq. No.	35737	Seq. ID	OJ990428_04.9A05.C2
Gene No.	73698	Strand	-
Start	1	End	757
Name	OJ990428_04.9A05.C2.o1.tm	Method	TBLASTX:Maize
Start	30	End	246
GI	none	Score	83
Exons	30..158, 48..125, 139..246, 154..243		

Seq. No.	35737	Seq. ID	OJ990428_04.9A05.C2
Gene No.	73698	Strand	-
Start	1	End	757
Name	OJ990428_04.9A05.C2.o1.gs	Method	GENSCAN
Start	64	End	237
GI	none	Score	.45
Exons	64..237		

Seq. No.	35738	Seq. ID	OJ990428_04.9A05.C4
Gene No.	73699	Strand	-
Start	162	End	485
Name	OJ990428_04.9A05.C4.o1.gs	Method	GENSCAN
Start	162	End	485
GI	none	Score	.64
Exons	162..485		

Seq. No.	35739	Seq. ID	OJ990428_04.9A05.C6
Gene No.	73700	Strand	+
Start	594	End	691
Name	OJ990428_04.9A05.C6.o1.gs	Method	GENSCAN
Start	594	End	691
GI	none	Score	.63
Exons	594..691		

Seq. No.	35740	Seq. ID	OJ990428_04.9A05.C7
Gene No.	73701	Strand	+
Start	195	End	268
Name	OJ990428_04.9A05.C7.o1.gs	Method	GENSCAN
Start	195	End	268
GI	none	Score	.9
Exons	195..268		

Seq. No.	35741	Seq. ID	OJ990428_04.9A05.C10
Gene No.	73702	Strand	+
Start	106	End	203
Name	OJ990428_04.9A05.C10.o1.gs	Method	GENSCAN
Start	106	End	203
GI	none	Score	.79
Exons	106..203		

Seq. No.	35742	Seq. ID	OJ990428_04.9A05.C11
Gene No.	73703	Strand	-
Start	195	End	567
Name	OJ990428_04.9A05.C11.o1.gs	Method	GENSCAN
Start	195	End	567
GI	none	Score	.65
Exons	195..320, 526..567		

Seq. No.	35743	Seq. ID	OJ990428_04.9A05.C12
Gene No.	73704	Strand	+
Start	92	End	295
Name	OJ990428_04.9A05.C12.o1.tm	Method	TBLASTX:Maize
Start	1	End	295
GI	none	Score	454
Exons	1..282, 2..286, 2..295		

Seq. No.	35743	Seq. ID	OJ990428_04.9A05.C12
Gene No.	73704	Strand	+
Start	92	End	295
Name	OJ990428_04.9A05.C12.o1.ts	Method	TBLASTX:Soybean
Start	4	End	226
GI	none	Score	248
Exons	4..225, 5..226		

Seq. No.	35743	Seq. ID	OJ990428_04.9A05.C12

Gene No.	73704	Strand	+
Start	92	End	295
Name	OJ990428_04.9A05.C12.o1.gs	Method	GENSCAN
Start	92	End	209
GI	none	Score	.63
Exons	92..209		

Seq. No.	35744	Seq. ID	OJ990428_04.9A05.C16
Gene No.	73705	Strand	-
Start	84	End	92
Name	OJ990428_04.9A05.C16.o1.gs	Method	GENSCAN
Start	84	End	92
GI	none	Score	.83
Exons	84..92		

Seq. No.	35745	Seq. ID	OJ990428_04.9A05.C17
Gene No.	73706	Strand	-
Start	120	End	443
Name	OJ990428_04.9A05.C17.o1.gs	Method	GENSCAN
Start	120	End	443
GI	none	Score	.58
Exons	120..443		

Seq. No.	35746	Seq. ID	OJ990428_04.9A05.C18
Gene No.	73707	Strand	+
Start	162	End	264
Name	OJ990428_04.9A05.C18.o1.gs	Method	GENSCAN
Start	162	End	264
GI	none	Score	.98
Exons	162..264		

Seq. No.	35747	Seq. ID	OJ990428_04.9A05.C20
Gene No.	73708	Strand	-
Start	1	End	627
Name	OJ990428_04.9A05.C20.o1.np	Method	AAT/NAP
Start	1	End	627
GI	4539658	Score	95
Exons	1..59, 493..627		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	35748	Seq. ID	OJ990428_04.9A05.C24
Gene No.	73709	Strand	-
Start	139	End	366
Name	OJ990428_04.9A05.C24.o1.gp	Method	AAT/GAP
Start	139	End	366
GI	LIB3434-013-P1-K1-F3	Score	175
Exons	139..165, 259..366		
GI Descrip.	'126411/sp\|P24095\|LOXX_SOYBN 2.0e-32 SEED LIPOXYGENASE >gi_99932_pir__S13381 lipoxygenase (EC 1.13.11.12) - soybean >gi_18746_emb_CAA39604_ (X56139) lipoxygenase [Glycine max]'		

Seq. No.	35748	Seq. ID	OJ990428_04.9A05.C24
Gene No.	73709	Strand	-
Start	139	End	366
Name	OJ990428_04.9A05.C24.o1.gs	Method	GENSCAN
Start	263	End	366

GI	none	Score	.99
Exons	263..366		

Seq. No.	35749	Seq. ID	OJ990428_04.9A05.C26
Gene No.	73710	Strand	
Start	165	End	598
Name	OJ990428_04.9A05.C26.o1.tm	Method	TBLASTX:Maize
Start	165	End	598
GI	none	Score	98
Exons	165..266, 254..334, 401..598		

Seq. No.	35750	Seq. ID	OJ990428_04.9A05.C27
Gene No.	73711	Strand	-
Start	1	End	698
Name	OJ990428_04.9A05.C27.o1.np	Method	AAT/NAP
Start	1	End	698
GI	6069646	Score	292
Exons	1..698		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	35750	Seq. ID	OJ990428_04.9A05.C27
Gene No.	73711	Strand	-
Start	1	End	698
Name	OJ990428_04.9A05.C27.o1.tm	Method	TBLASTX:Maize
Start	296	End	638
GI	none	Score	94
Exons	296..325, 375..464, 377..475, 473..493, 542..637, 543..638		

Seq. No.	35751	Seq. ID	OJ990428_04.9A05.C30
Gene No.	73712	Strand	-
Start	126	End	353
Name	OJ990428_04.9A05.C30.o1.gs	Method	GENSCAN
Start	126	End	327
GI	none	Score	.55
Exons	126..327		

Seq. No.	35751	Seq. ID	OJ990428_04.9A05.C30
Gene No.	73712	Strand	-
Start	126	End	353
Name	OJ990428_04.9A05.C30.o1.gp	Method	AAT/GAP
Start	223	End	353
GI	LIB3433-019-P1-K1-E1	Score	236
Exons	223..353		
GI Descrip.	'5922608/dbj\|BAA84609.1\| 2.0e-17 (AP000492) hypothetical protein [Oryza sativa]'		

Seq. No.	35752	Seq. ID	OJ990428_04.9A05.C31
Gene No.	73713	Strand	+
Start	42	End	296
Name	OJ990428_04.9A05.C31.o1.gs	Method	GENSCAN
Start	42	End	296
GI	none	Score	1
Exons	42..296		

Seq. No.	35752	Seq. ID	OJ990428_04.9A05.C31
Gene No.	73714	Strand	-
Start	154	End	291
Name	OJ990428_04.9A05.C31.o1.gp	Method	AAT/GAP
Start	154	End	291
GI	30174_1.R1084	Score	245
Exons	154..291		
GI Descrip.	'2160182 2.0e-10 (AC000132) ESTs gb_ATTS1236,gb_T43334,gb_N97019,gb_AA395203 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	35753	Seq. ID	OJ990428_04.9A05.C35
Gene No.	73715	Strand	+
Start	142	End	463
Name	OJ990428_04.9A05.C35.o1.gs	Method	GENSCAN
Start	142	End	463
GI	none	Score	.55
Exons	142..363, 396..463		

Seq. No.	35754	Seq. ID	OJ990428_04.9A05.C36
Gene No.	73716	Strand	+
Start	68	End	299
Name	OJ990428_04.9A05.C36.o1.gp	Method	AAT/GAP
Start	68	End	299
GI	3761423	Score	396
Exons	68..299		

Seq. No.	35754	Seq. ID	OJ990428_04.9A05.C36
Gene No.	73717	Strand	-
Start	480	End	1059
Name	OJ990428_04.9A05.C36.o1.tm	Method	TBLASTX:Maize
Start	75	End	605
GI	none	Score	176
Exons	75..215, 76..216, 81..197, 113..211, 203..406, 204..605, 240..596, 461..604		

Seq. No.	35754	Seq. ID	OJ990428_04.9A05.C36
Gene No.	73717	Strand	-
Start	480	End	1059
Name	OJ990428_04.9A05.C36.o2.ts	Method	TBLASTX:Soybean
Start	81	End	364
GI	none	Score	174
Exons	81..227, 110..211, 206..364, 207..362		

Seq. No.	35754	Seq. ID	OJ990428_04.9A05.C36
Gene No.	73717	Strand	-
Start	480	End	1059
Name	OJ990428_04.9A05.C36.o1.ts	Method	TBLASTX:Soybean
Start	426	End	1059
GI	none	Score	543
Exons	426..1004, 429..596, 473..706, 642..1004, 763..1005, 775..1020, 985..1059		

Seq. No.	35754	Seq. ID	OJ990428_04.9A05.C36
Gene No.	73717	Strand	-
Start	480	End	1059

Name	OJ990428_04.9A05.C36.o1.gs	Method	GENSCAN
Start	480	End	633
GI	none	Score	.74
Exons	480..633		

Seq. No.	35754	Seq. ID	OJ990428_04.9A05.C36
Gene No.	73717	Strand	-
Start	480	End	1059
Name	OJ990428_04.9A05.C36.o2.tm	Method	TBLASTX:Maize
Start	666	End	1059
GI	none	Score	41
Exons	666..734, 677..733, 684..752, 759..1001, 769..966, 775..975, 776..976, 976..1059, 990..1052		

Seq. No.	35755	Seq. ID	OJ990428_04.9A05.C39
Gene No.	73718	Strand	-
Start	291	End	374
Name	OJ990428_04.9A05.C39.o1.gp	Method	AAT/GAP
Start	291	End	374
GI	18281_1.R1084	Score	102
Exons	291..374		
GI Descrip.	'4741923/gb\|AAD28757.1\|AF130849_1 5.0e-14 (AF130849) PIT1 [Arabidopsis thaliana]'		

Seq. No.	35756	Seq. ID	OJ990428_04.9A05.C40
Gene No.	73719	Strand	-
Start	159	End	448
Name	OJ990428_04.9A05.C40.o1.gp	Method	AAT/GAP
Start	159	End	448
GI	15355_1.R1084	Score	523
Exons	159..448		
GI Descrip.	'4586433/dbj\|BAA76401.1\| 7.0e-16 (AB016798) ribosomal protein L29/cell surface heparin binding protein HIP [Sus scrofa] >gi_4586439_dbj_BAA76404.1_ (AB017196) ribosomal protein L29/heparin/heparan sulfate interacting protein [Sus scrofa]'		

Seq. No.	35757	Seq. ID	OJ990428_04.9A05.C42
Gene No.	73720	Strand	-
Start	498	End	628
Name	OJ990428_04.9A05.C42.o1.gs	Method	GENSCAN
Start	498	End	628
GI	none	Score	.84
Exons	498..628		

Seq. No.	35758	Seq. ID	OJ990428_04.9A05.C43
Gene No.	73721	Strand	-
Start	595	End	680
Name	OJ990428_04.9A05.C43.o1.gs	Method	GENSCAN
Start	595	End	680
GI	none	Score	.76
Exons	595..680		

Seq. No.	35759	Seq. ID	OJ990428_04.9A05.C44
Gene No.	73722	Strand	+
Start	554	End	689
Name	OJ990428_04.9A05.C44.o1.gs	Method	GENSCAN
Start	554	End	689

GI	none	Score	.5
Exons	554..689		

Seq. No.	35760	Seq. ID	OJ990428_04.9A05.C47
Gene No.	73723	Strand	-
Start	164	End	887
Name	OJ990428_04.9A05.C47.o1.gs	Method	GENSCAN
Start	164	End	847
GI	none	Score	.66
Exons	164..248, 341..847		

Seq. No.	35760	Seq. ID	OJ990428_04.9A05.C47
Gene No.	73723	Strand	-
Start	164	End	887
Name	OJ990428_04.9A05.C47.o1.tm	Method	TBLASTX:Maize
Start	466	End	887
GI	none	Score	283
Exons	466..876, 469..879, 470..880,	809..880,	810..887

Seq. No.	35761	Seq. ID	OJ990428_04.9A05.C48
Gene No.	73724	Strand	+
Start	1	End	705
Name	OJ990428_04.9A05.C48.o1.np	Method	AAT/NAP
Start	1	End	516
GI	6715722	Score	162
Exons	1..131, 296..516		
GI Descrip.	(AC016447) unknown protein [Arabidopsis thaliana]		

Seq. No.	35761	Seq. ID	OJ990428_04.9A05.C48
Gene No.	73724	Strand	+
Start	1	End	705
Name	OJ990428_04.9A05.C48.o1.tm	Method	TBLASTX:Maize
Start	279	End	516
GI	none	Score	193
Exons	279..515, 322..516		

Seq. No.	35761	Seq. ID	OJ990428_04.9A05.C48
Gene No.	73724	Strand	+
Start	1	End	705
Name	OJ990428_04.9A05.C48.o1.ts	Method	TBLASTX:Soybean
Start	321	End	531
GI	none	Score	246
Exons	321..512, 322..531		

Seq. No.	35761	Seq. ID	OJ990428_04.9A05.C48
Gene No.	73724	Strand	+
Start	1	End	705
Name	OJ990428_04.9A05.C48.o1.gp	Method	AAT/GAP
Start	322	End	705
GI	30174_1.R1084	Score	721
Exons	322..705		
GI Descrip.	'2160182 2.0e-10 (AC000132) ESTs gb_ATTS1236,gb_T43334,gb_N97019,gb_AA395203 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	35761	Seq. ID	OJ990428_04.9A05.C48
Gene No.	73724	Strand	+

Start	1	End	705
Name	OJ990428_04.9A05.C48.o1.gs	Method	GENSCAN
Start	322	End	537
GI	none	Score	.85
Exons	322..537		

Seq. No.	35761	Seq. ID	OJ990428_04.9A05.C48
Gene No.	73724	Strand	+
Start	1	End	705
Name	OJ990428_04.9A05.C48.o1.tc	Method	TBLASTX:Cress
Start	324	End	510
GI	none	Score	195
Exons	324..506, 331..510		

Seq. No.	35762	Seq. ID	OJ990428_04.9A05.C51
Gene No.	73725	Strand	+
Start	57	End	221
Name	OJ990428_04.9A05.C51.o1.gs	Method	GENSCAN
Start	57	End	221
GI	none	Score	.65
Exons	57..221		

Seq. No.	35763	Seq. ID	OJ990428_04.9A05.C53
Gene No.	73726	Strand	-
Start	448	End	739
Name	OJ990428_04.9A05.C53.o1.gs	Method	GENSCAN
Start	448	End	739
GI	none	Score	.44
Exons	448..624, 680..739		

Seq. No.	35764	Seq. ID	OJ990428_04.9A05.C54
Gene No.	73727	Strand	+
Start	83	End	1154
Name	OJ990428_04.9A05.C54.o1.tc	Method	TBLASTX:Cress
Start	80	End	273
GI	none	Score	77
Exons	80..247, 81..260, 82..273		

Seq. No.	35764	Seq. ID	OJ990428_04.9A05.C54
Gene No.	73727	Strand	+
Start	83	End	1154
Name	OJ990428_04.9A05.C54.o1.gs	Method	GENSCAN
Start	83	End	939
GI	none	Score	.48
Exons	83..939		

Seq. No.	35764	Seq. ID	OJ990428_04.9A05.C54
Gene No.	73727	Strand	+
Start	83	End	1154
Name	OJ990428_04.9A05.C54.o1.gp	Method	AAT/GAP
Start	364	End	822
GI	3761423	Score	872
Exons	364..822		

Seq. No.	35764	Seq. ID	OJ990428_04.9A05.C54
Gene No.	73727	Strand	+
Start	83	End	1154

Name	OJ990428_04.9A05.C54.o1.tm	Method	TBLASTX:Maize
Start	586	End	1128
GI	none	Score	178
Exons	586..738, 599..739, 604..720, 636..734, 711..1127, 726..929, 727..1128, 763..1119, 984..1127		

Seq. No.	35764	Seq. ID	OJ990428_04.9A05.C54
Gene No.	73727	Strand	+
Start	83	End	1154
Name	OJ990428_04.9A05.C54.o1.ts	Method	TBLASTX:Soybean
Start	604	End	887
GI	none	Score	174
Exons	604..750, 633..734, 729..887, 730..885		

Seq. No.	35764	Seq. ID	OJ990428_04.9A05.C54
Gene No.	73727	Strand	+
Start	83	End	1154
Name	OJ990428_04.9A05.C54.o2.ts	Method	TBLASTX:Soybean
Start	948	End	1154
GI	none	Score	56
Exons	948..1124, 949..1152, 952..1119, 953..1153, 965..1126, 996..1154		

Seq. No.	35765	Seq. ID	OJ990428_04.9A05.C55
Gene No.	73728	Strand	+
Start	296	End	1054
Name	OJ990428_04.9A05.C55.o1.gs	Method	GENSCAN
Start	296	End	1054
GI	none	Score	.66
Exons	296..597, 811..1054		

Seq. No.	35765	Seq. ID	OJ990428_04.9A05.C55
Gene No.	73729	Strand	+
Start	4251	End	5867
Name	OJ990428_04.9A05.C55.o1.ts	Method	TBLASTX:Soybean
Start	71	End	501
GI	none	Score	381
Exons	71..499, 113..499, 331..501		

Seq. No.	35765	Seq. ID	OJ990428_04.9A05.C55
Gene No.	73729	Strand	+
Start	4251	End	5867
Name	OJ990428_04.9A05.C55.o1.tm	Method	TBLASTX:Maize
Start	95	End	499
GI	none	Score	73
Exons	95..163, 113..181, 188..436, 205..432, 418..498, 419..499		

Seq. No.	35765	Seq. ID	OJ990428_04.9A05.C55
Gene No.	73729	Strand	+
Start	4251	End	5867
Name	OJ990428_04.9A05.C55.o3.ts	Method	TBLASTX:Soybean
Start	509	End	1041
GI	none	Score	105
Exons	509..598, 529..597, 809..862, 886..1041, 887..1006		

Seq. No.	35765	Seq. ID	OJ990428_04.9A05.C55
Gene No.	73729	Strand	+
Start	4251	End	5867

Name	OJ990428_04.9A05.C55.o1.np	Method	AAT/NAP
Start	4251	End	5867
GI	99922	Score	724
Exons	4251..5096, 5725..5867		
GI Descrip.	hypothetical protein - soybean gi\|930025\|emb\|CAA31883\| (X13528) ORF (334 AA) [Glycine max]		

Seq. No.	35765	Seq. ID	OJ990428_04.9A05.C55
Gene No.	73729	Strand	+
Start	4251	End	5867
Name	OJ990428_04.9A05.C55.o2.ts	Method	TBLASTX:Soybean
Start	4351	End	4777
GI	none	Score	72
Exons	4351..4479, 4358..4438, 4499..4777, 4513..4749, 4538..4759		

Seq. No.	35765	Seq. ID	OJ990428_04.9A05.C55
Gene No.	73729	Strand	+
Start	4251	End	5867
Name	OJ990428_04.9A05.C55.o1.tc	Method	TBLASTX:Cress
Start	4499	End	4849
GI	none	Score	305
Exons	4499..4849, 4507..4656, 4696..4752, 4774..4848		

Seq. No.	35765	Seq. ID	OJ990428_04.9A05.C55
Gene No.	73729	Strand	+
Start	4251	End	5867
Name	OJ990428_04.9A05.C55.o1.tw	Method	TBLASTX:Wheat
Start	4637	End	5103
GI	none	Score	56
Exons	4637..4693, 4645..4701, 4681..4788, 4691..4795, 4802..4897, 4804..4899, 4942..5103, 4943..5098		

Seq. No.	35765	Seq. ID	OJ990428_04.9A05.C55
Gene No.	73729	Strand	+
Start	4251	End	5867
Name	OJ990428_04.9A05.C55.o2.tm	Method	TBLASTX:Maize
Start	4688	End	5112
GI	none	Score	229
Exons	4688..4825, 4693..4920, 4694..4927, 4942..5112, 4943..5092		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73730	Strand	+
Start	1365	End	3263
Name	OJ990428_04.9A05.C56.o1.gs	Method	GENSCAN
Start	1365	End	3263
GI	none	Score	1
Exons	1365..3263		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73731	Strand	+
Start	10698	End	13670
Name	OJ990428_04.9A05.C56.o3.gs	Method	GENSCAN
Start	10698	End	13670
GI	none	Score	.45
Exons	10698..10755, 12136..12351, 13459..13670		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56

Gene No.	73732	Strand	+
Start	15287	End	16418
Name	OJ990428_04.9A05.C56.o4.gs	Method	GENSCAN
Start	15287	End	15619
GI	none	Score	.95
Exons	15287..15619		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73732	Strand	+
Start	15287	End	16418
Name	OJ990428_04.9A05.C56.o2.np	Method	AAT/NAP
Start	15297	End	16205
GI	6715722	Score	184
Exons	15297..15595, 15999..16205		
GI Descrip.	(AC016447) unknown protein [Arabidopsis thaliana]		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73732	Strand	+
Start	15287	End	16418
Name	OJ990428_04.9A05.C56.o3.gp	Method	AAT/GAP
Start	15477	End	16418
GI	30174_1_R1084	Score	1033
Exons	15477..15610, 16011..16418		
GI Descrip.	'2160182 2.0e-10 (AC000132) ESTs gb_ATTS1236,gb_T43334,gb_N97019,gb_AA395203 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73733	Strand	+
Start	23890	End	28809
Name	OJ990428_04.9A05.C56.o5.gp	Method	AAT/GAP
Start	23888	End	25466
GI	LIB3434-013-P1-K1-F3	Score	416
Exons	23888..23962, 24235..24338, 25393..25466		
GI Descrip.	'126411/sp\|P24095\|LOXX_SOYBN 2.0e-32 SEED LIPOXYGENASE >gi_99932_pir__S13381 lipoxygenase (EC 1.13.11.12) - soybean >gi_18746_emb_CAA39604_ (X56139) lipoxygenase [Glycine max]'		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73733	Strand	+
Start	23890	End	28809
Name	OJ990428_04.9A05.C56.o6.gs	Method	GENSCAN
Start	23890	End	28809
GI	none	Score	.59
Exons	23890..23962, 24235..24338, 25393..25786, 26961..27826, 28011..28057, 28230..28381, 28532..28809		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73733	Strand	+
Start	23890	End	28809
Name	OJ990428_04.9A05.C56.o6.np	Method	AAT/NAP
Start	27212	End	28780
GI	1495804	Score	199
Exons	27212..27467, 28685..28780		
GI Descrip.	(X96406) 13-lipoxygenase [Solanum tuberosum]		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56

Gene No.	73734	Strand	+
Start	30417	End	40656
Name	OJ990428_04.9A05.C56.o8.gs	Method	GENSCAN
Start	30417	End	40656
GI	none	Score	.5
Exons	30417..30504, 30645..30751, 30887..31115, 31905..32137, 32717..32789, 32834..33156, 33958..34135, 34891..35154, 35705..35799, 37185..37320, 40372..40423, 40467..40656		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73734	Strand	+
Start	30417	End	40656
Name	OJ990428_04.9A05.C56.o8.gp	Method	AAT/GAP
Start	30697	End	32064
GI	LIB3433-019-P1-K1-E1	Score	806
Exons	30697..30751, 30887..31115, 31905..32064		
GI Descrip.	'5922608/dbj\|BAA84609.1\| 2.0e-17 (AP000492) hypothetical protein [Oryza sativa]'		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73734	Strand	+
Start	30417	End	40656
Name	OJ990428_04.9A05.C56.o8.np	Method	AAT/NAP
Start	30887	End	32141
GI	5922608	Score	133
Exons	30887..31125, 32038..32141		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa]		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73734	Strand	+
Start	30417	End	40656
Name	OJ990428_04.9A05.C56.o10.np	Method	AAT/NAP
Start	31448	End	37119
GI	6069646	Score	156
Exons	31448..31490, 34891..35165, 37084..37119		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73735	Strand	+
Start	45279	End	51101
Name	OJ990428_04.9A05.C56.o10.gs	Method	GENSCAN
Start	45279	End	51101
GI	none	Score	.65
Exons	45279..45614, 49504..49572, 49603..49959, 50161..50287, 50989..51101		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73735	Strand	+
Start	45279	End	51101
Name	OJ990428_04.9A05.C56.o10.gp	Method	AAT/GAP
Start	46326	End	46420
GI	5867_1.R1084	Score	128
Exons	46326..46420		

GI Descrip.	'464986/sp\|P35132\|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73735	Strand	+
Start	45279	End	51101
Name	OJ990428_04.9A05.C56.o13.np	Method	AAT/NAP
Start	49579	End	49983
GI	2462640	Score	488
Exons	49579..49983		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73736	Strand	-
Start	2213	End	2598
Name	OJ990428_04.9A05.C56.o1.gp	Method	AAT/GAP
Start	2213	End	2598
GI	LIB3434-053-P1-K1-D6	Score	747
Exons	2213..2598		
GI Descrip.	'3426046 3.0e-14 (AC005168) similar to salt-inducible protein [Arabidopsis thaliana]'		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73737	Strand	-
Start	6363	End	9021
Name	OJ990428_04.9A05.C56.o2.gs	Method	GENSCAN
Start	6363	End	8879
GI	none	Score	.87
Exons	6363..6446, 6533..6640, 6714..6848, 6889..7006, 7977..8044, 8697..8879		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73737	Strand	-
Start	6363	End	9021
Name	OJ990428_04.9A05.C56.o2.gp	Method	AAT/GAP
Start	6750	End	9021
GI	18281_1.R1084	Score	1034
Exons	6750..6797, 6889..7006, 7977..8044, 8454..8525, 8697..9021		
GI Descrip.	'4741923/gb\|AAD28757.1\|AF130849_1 5.0e-14 (AF130849) PIT1 [Arabidopsis thaliana]'		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73738	Strand	-
Start	14192	End	21259
Name	OJ990428_04.9A05.C56.o3.np	Method	AAT/NAP
Start	14192	End	18160
GI	4506629	Score	151
Exons	14192..14240, 17186..17243, 18059..18160		
GI Descrip.	ribosomal protein L29 gi\|1350706\|sp\|P47914\|RL29_HUMAN 60S RIBOSOMAL PROTEIN L29 (CELL SURFACE HEPARIN BINDING PROTEIN HIP) gi\|2136119\|pir\|\|S65784 ribosomal protein L29 - human gi\|806697 (U10248) ribosomal protein L29 [Homo sapiens] gi\|1215742		

(U49083) HIP [Homo sapiens]

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73738	Strand	-
Start	14192	End	21259
Name	OJ990428_04.9A05.C56.o5.gs	Method	GENSCAN
Start	15867	End	20254
GI	none	Score	.5
Exons	15867..16255, 17089..17243, 18059..18191, 18302..18372, 18749..18915, 18947..19424, 19564..19720, 19863..20161, 20247..20254		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73738	Strand	-
Start	14192	End	21259
Name	OJ990428_04.9A05.C56.o4.gp	Method	AAT/GAP
Start	16954	End	18351
GI	15355_1.R1084	Score	853
Exons	16954..17243, 18059..18191, 18302..18351		
GI Descrip.	'4586433/dbj\|BAA76401.1\| 7.0e-16 (AB016798) ribosomal protein L29/cell surface heparin binding protein HIP [Sus scrofa] >gi_4586439_dbj_BAA76404.1_ (AB017196) ribosomal protein L29/heparin/heparan sulfate interacting protein [Sus scrofa]'		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73738	Strand	-
Start	14192	End	21259
Name	OJ990428_04.9A05.C56.o4.np	Method	AAT/NAP
Start	18031	End	21259
GI	119714	Score	249
Exons	18031..18446, 18773..19264, 19510..19706, 21202..21259		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi\|82169\|pir\|\|S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi\|19867\|emb\|CAA32090\| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73739	Strand	-
Start	25440	End	28080
Name	OJ990428_04.9A05.C56.o5.np	Method	AAT/NAP
Start	25440	End	28080
GI	119714	Score	117
Exons	25440..25809, 26965..27870, 28007..28080		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi\|82169\|pir\|\|S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi\|19867\|emb\|CAA32090\| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73740	Strand	-
Start	28064	End	29428
Name	OJ990428_04.9A05.C56.o7.np	Method	AAT/NAP
Start	28064	End	29372
GI	5777617	Score	72
Exons	28064..28164, 29303..29372		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73740	Strand	-
Start	28064	End	29428
Name	OJ990428_04.9A05.C56.o7.gs	Method	GENSCAN
Start	28901	End	29428
GI	none	Score	.99
Exons	28901..29428		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73741	Strand	-
Start	32380	End	39389
Name	OJ990428_04.9A05.C56.o9.np	Method	AAT/NAP
Start	32380	End	37031
GI	6069646	Score	200
Exons	32380..32821, 37010..37031		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73741	Strand	-
Start	32380	End	39389
Name	OJ990428_04.9A05.C56.o11.np	Method	AAT/NAP
Start	35013	End	38986
GI	4539658	Score	224
Exons	35013..35169, 38197..38372, 38414..38547, 38959..38986		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73741	Strand	-
Start	32380	End	39389
Name	OJ990428_04.9A05.C56.o12.np	Method	AAT/NAP
Start	35416	End	39389
GI	4539658	Score	235
Exons	35416..35469, 38078..38372, 38414..38547, 39347..39389		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73741	Strand	-
Start	32380	End	39389
Name	OJ990428_04.9A05.C56.o9.gp	Method	AAT/GAP
Start	37933	End	38184
GI	LIB3475-004-P1-K2-A5	Score	399
Exons	37933..38184		
GI Descrip.	'5777612/emb\|AJ245900.1\|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73742	Strand	-
Start	52862	End	53010
Name	OJ990428_04.9A05.C56.o2.tm	Method	TBLASTX:Maize
Start	1917	End	2364
GI	none	Score	107

Exons	1917..1982, 1919..1981, 2003..2230, 2004..2279, 2034..2282, 2228..2284, 2229..2285, 2295..2363, 2296..2364, 2299..2364		
Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73742	Strand	-
Start	52862	End	53010
Name	OJ990428_04.9A05.C56.o2.tc	Method	TBLASTX:Cress
Start	2328	End	3164
GI	none	Score	204
Exons	2328..2699, 2328..2486, 2328..2633, 2345..2677, 2352..2597, 2391..2777, 2496..2702, 2537..2809, 2538..2894, 2667..2885, 2748..2906, 2928..3164		
Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73742	Strand	-
Start	52862	End	53010
Name	OJ990428_04.9A05.C56.o1.tm	Method	TBLASTX:Maize
Start	2400	End	3239
GI	none	Score	100
Exons	2400..2636, 2505..2741, 2598..2834, 2712..2906, 2829..3239, 2830..3033, 2831..3235		
Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73742	Strand	-
Start	52862	End	53010
Name	OJ990428_04.9A05.C56.o1.ts	Method	TBLASTX:Soybean
Start	2418	End	3179
GI	none	Score	135
Exons	2418..2768, 2475..2873, 2640..2693, 2696..2893, 2697..2897, 2877..3179, 2906..3178		
Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73742	Strand	-
Start	52862	End	53010
Name	OJ990428_04.9A05.C56.o10.tm	Method	TBLASTX:Maize
Start	6555	End	8788
GI	none	Score	78
Exons	6555..6659, 6572..6658, 6714..6797, 6717..6809, 6721..6798, 6889..6921, 7979..8047, 8454..8528, 8458..8526, 8697..8783, 8699..8788		
Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73742	Strand	-
Start	52862	End	53010
Name	OJ990428_04.9A05.C56.o11.tm	Method	TBLASTX:Maize
Start	15326	End	16205
GI	none	Score	75
Exons	15326..15394, 15968..16204, 16011..16205		
Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73742	Strand	-
Start	52862	End	53010
Name	OJ990428_04.9A05.C56.o3.ts	Method	TBLASTX:Soybean
Start	15326	End	16220
GI	none	Score	91
Exons	15326..15394, 16010..16201, 16011..16220		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73742	Strand	-
Start	52862	End	53010
Name	OJ990428_04.9A05.C56.o3.tc	Method	TBLASTX:Cress
Start	16010	End	16202
GI	none	Score	195
Exons	16010..16192, 16011..16202		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73742	Strand	-
Start	52862	End	53010
Name	OJ990428_04.9A05.C56.o8.tm	Method	TBLASTX:Maize
Start	18047	End	18162
GI	none	Score	181
Exons	18047..18160, 18057..18152, 18058..18162		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73742	Strand	-
Start	52862	End	53010
Name	OJ990428_04.9A05.C56.o5.tm	Method	TBLASTX:Maize
Start	27211	End	27427
GI	none	Score	139
Exons	27211..27318, 27214..27303, 27299..27427, 27332..27409		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73742	Strand	-
Start	52862	End	53010
Name	OJ990428_04.9A05.C56.o1.tc	Method	TBLASTX:Cress
Start	27214	End	27457
GI	none	Score	121
Exons	27214..27297, 27299..27457		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73742	Strand	-
Start	52862	End	53010
Name	OJ990428_04.9A05.C56.o2.ts	Method	TBLASTX:Soybean
Start	27214	End	27460
GI	none	Score	127
Exons	27214..27303, 27299..27460		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73742	Strand	-
Start	52862	End	53010
Name	OJ990428_04.9A05.C56.o7.tm	Method	TBLASTX:Maize
Start	32504	End	51563
GI	none	Score	69
Exons	32504..32611, 32618..32725, 32724..32816, 34150..34293, 34411..34491, 34479..34580, 51453..51563		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73742	Strand	-
Start	52862	End	53010
Name	OJ990428_04.9A05.C56.o4.tm	Method	TBLASTX:Maize
Start	34893	End	50055
GI	none	Score	284
Exons	34893..35270, 34916..35005, 35108..35233, 35312..35362, 49855..50055		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73742	Strand	-
Start	52862	End	53010
Name	OJ990428_04.9A05.C56.o9.tm	Method	TBLASTX:Maize
Start	49384	End	49854
GI	none	Score	82
Exons	49384..49473, 49531..49716, 49762..49854		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73742	Strand	-
Start	52862	End	53010
Name	OJ990428_04.9A05.C56.o3.tm	Method	TBLASTX:Maize
Start	50479	End	50906
GI	none	Score	65
Exons	50479..50616, 50492..50719, 50493..50729, 50493..50726, 50721..50795, 50738..50794, 50739..50795, 50795..50875, 50796..50906		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73742	Strand	-
Start	52862	End	53010
Name	OJ990428_04.9A05.C56.o1.tw	Method	TBLASTX:Wheat
Start	50544	End	50882
GI	none	Score	300
Exons	50544..50849, 50555..50836, 50562..50882		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73742	Strand	-
Start	52862	End	53010
Name	OJ990428_04.9A05.C56.o6.tm	Method	TBLASTX:Maize
Start	51069	End	51449
GI	none	Score	55
Exons	51069..51140, 51138..51449		

Seq. No.	35766	Seq. ID	OJ990428_04.9A05.C56
Gene No.	73742	Strand	-
Start	52862	End	53010
Name	OJ990428_04.9A05.C56.o11.gp	Method	AAT/GAP
Start	52862	End	53010
GI	3767340	Score	222
Exons	52862..53010		
GI Descrip.	6016691/gb\|AAF01518.1\|AC009991_14 2.0e-09 (AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	35767	Seq. ID	OJ990428_04.9A05.C57
Gene No.	73743	Strand	+
Start	1165	End	2781
Name	OJ990428_04.9A05.C57.o1.gs	Method	GENSCAN
Start	1165	End	2781
GI	none	Score	.66
Exons	1165..2446, 2485..2781		

Seq. No.	35767	Seq. ID	OJ990428_04.9A05.C57
Gene No.	73744	Strand	+
Start	7449	End	7540
Name	OJ990428_04.9A05.C57.o3.gp	Method	AAT/GAP

Start	7449	End	7540
GI	uC-osf1M202097d10b1	Score	98
Exons	7449..7540		
GI Descrip.	'4062935/dbj\|AB003495.1\|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	35767	Seq. ID	OJ990428_04.9A05.C57
Gene No.	73745	Strand	-
Start	1163	End	2697
Name	OJ990428_04.9A05.C57.o1.tm	Method	TBLASTX:Maize
Start	1160	End	2183
GI	none	Score	208
Exons	1160..1462, 1161..1346, 1496..1627, 1742..1954, 1761..1964, 2033..2170, 2037..2183		

Seq. No.	35767	Seq. ID	OJ990428_04.9A05.C57
Gene No.	73745	Strand	-
Start	1163	End	2697
Name	OJ990428_04.9A05.C57.o1.np	Method	AAT/NAP
Start	1163	End	2688
GI	4586049	Score	1184
Exons	1163..1627, 1673..2335, 2499..2688		
GI Descrip.	(AC007020) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35767	Seq. ID	OJ990428_04.9A05.C57
Gene No.	73745	Strand	-
Start	1163	End	2697
Name	OJ990428_04.9A05.C57.o2.ts	Method	TBLASTX:Soybean
Start	1172	End	1612
GI	none	Score	123
Exons	1172..1273, 1176..1274, 1295..1363, 1496..1612		

Seq. No.	35767	Seq. ID	OJ990428_04.9A05.C57
Gene No.	73745	Strand	-
Start	1163	End	2697
Name	OJ990428_04.9A05.C57.o2.tc	Method	TBLASTX:Cress
Start	1181	End	1627
GI	none	Score	66
Exons	1181..1357, 1194..1346, 1496..1627		

Seq. No.	35767	Seq. ID	OJ990428_04.9A05.C57
Gene No.	73745	Strand	-
Start	1163	End	2697
Name	OJ990428_04.9A05.C57.o1.tc	Method	TBLASTX:Cress
Start	1769	End	2257
GI	none	Score	104
Exons	1769..1855, 1962..2222, 1973..2257		

Seq. No.	35767	Seq. ID	OJ990428_04.9A05.C57
Gene No.	73745	Strand	-
Start	1163	End	2697
Name	OJ990428_04.9A05.C57.o1.tw	Method	TBLASTX:Wheat
Start	1769	End	2167
GI	none	Score	66
Exons	1769..1960, 1851..1964, 2006..2167, 2025..2165		

Seq. No.	35767	Seq. ID	OJ990428_04.9A05.C57

Gene No.	73745	Strand	-
Start	1163	End	2697
Name	OJ990428_04.9A05.C57.o1.ts	Method	TBLASTX:Soybean
Start	1778	End	2165
GI	none	Score	88
Exons	1778..1978, 1782..1982, 2004..2165, 2006..2164		

Seq. No.	35767	Seq. ID	OJ990428_04.9A05.C57
Gene No.	73745	Strand	-
Start	1163	End	2697
Name	OJ990428_04.9A05.C57.o1.gp	Method	AAT/GAP
Start	1781	End	2024
GI	2797285	Score	447
Exons	1781..2024		
GI Descrip.	6016691/gb\|AAF01518.1\|AC009991_14 1.0e-19 (AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	35767	Seq. ID	OJ990428_04.9A05.C57
Gene No.	73745	Strand	-
Start	1163	End	2697
Name	OJ990428_04.9A05.C57.o2.gp	Method	AAT/GAP
Start	2242	End	2697
GI	none	Score	656
Exons	2242..2370, 2457..2697		

Seq. No.	35768	Seq. ID	OJ990428_04.9A05.C58
Gene No.	73746	Strand	+
Start	490	End	4890
Name	OJ990428_04.9A05.C58.o1.gs	Method	GENSCAN
Start	490	End	4890
GI	none	Score	.54
Exons	490..691, 1318..1500, 1529..1676, 1802..2022, 2051..2233, 3350..3446, 4766..4890		

Seq. No.	35768	Seq. ID	OJ990428_04.9A05.C58
Gene No.	73746	Strand	+
Start	490	End	4890
Name	OJ990428_04.9A05.C58.o1.np	Method	AAT/NAP
Start	1511	End	2936
GI	5852084	Score	84
Exons	1511..1560, 2854..2936		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	35768	Seq. ID	OJ990428_04.9A05.C58
Gene No.	73747	Strand	+
Start	4913	End	4995
Name	OJ990428_04.9A05.C58.o2.gp	Method	AAT/GAP
Start	4913	End	4995
GI	none	Score	107
Exons	4913..4995		

Seq. No.	35769	Seq. ID	OJ990428_04.9A05.C59
Gene No.	73748	Strand	+
Start	1281	End	1849
Name	OJ990428_04.9A05.C59.o1.gp	Method	AAT/GAP
Start	1281	End	1849
GI	none	Score	1030

Exons	1281..1849		
Seq. No.	35769	Seq. ID	OJ990428_04.9A05.C59
Gene No.	73749	Strand	-
Start	1840	End	2352
Name	OJ990428_04.9A05.C59.o1.tm	Method	TBLASTX:Maize
Start	1835	End	1960
GI	none	Score	152
Exons	1835..1960, 1835..1885, 1849..1959		
Seq. No.	35769	Seq. ID	OJ990428_04.9A05.C59
Gene No.	73749	Strand	-
Start	1840	End	2352
Name	OJ990428_04.9A05.C59.o2.gp	Method	AAT/GAP
Start	1836	End	2352
GI	uC-osflcyp085c03b1	Score	936
Exons	1836..2352		
GI Descrip.	'308905/gb\|L18909\|LILTHIORED 1.0e-08 Lilium longiflorum potential thioredoxin mRNA, complete cds'		
Seq. No.	35769	Seq. ID	OJ990428_04.9A05.C59
Gene No.	73749	Strand	-
Start	1840	End	2352
Name	OJ990428_04.9A05.C59.o1.ts	Method	TBLASTX:Soybean
Start	1840	End	1986
GI	none	Score	185
Exons	1840..1986		
Seq. No.	35769	Seq. ID	OJ990428_04.9A05.C59
Gene No.	73749	Strand	-
Start	1840	End	2352
Name	OJ990428_04.9A05.C59.o2.gs	Method	GENSCAN
Start	1840	End	2166
GI	none	Score	.95
Exons	1840..2166		
Seq. No.	35769	Seq. ID	OJ990428_04.9A05.C59
Gene No.	73749	Strand	-
Start	1840	End	2352
Name	OJ990428_04.9A05.C59.o1.np	Method	AAT/NAP
Start	1843	End	2328
GI	2529679	Score	141
Exons	1843..2033, 2190..2328		
GI Descrip.	(AC002535) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	35769	Seq. ID	OJ990428_04.9A05.C59
Gene No.	73749	Strand	-
Start	1840	End	2352
Name	OJ990428_04.9A05.C59.o1.tw	Method	TBLASTX:Wheat
Start	1846	End	1986
GI	none	Score	149
Exons	1846..1986, 1847..1984, 1948..1986		
Seq. No.	35770	Seq. ID	OJ990428_04.9A05.C61
Gene No.	73750	Strand	+
Start	312	End	2268
Name	OJ990428_04.9A05.C61.o1.gs	Method	GENSCAN

Start	312	End	2268
GI	none	Score	.42
Exons	312..350, 396..580, 623..1010, 1302..1386, 1518..1736, 1925..1964, 2208..2268		

Seq. No.	35770	Seq. ID	OJ990428_04.9A05.C61
Gene No.	73751	Strand	+
Start	5583	End	13031
Name	OJ990428_04.9A05.C61.o3.gs	Method	GENSCAN
Start	5583	End	13031
GI	none	Score	.53
Exons	5583..5727, 7044..7282, 7305..7500, 8955..9042, 9130..9636, 9729..9813, 10473..10614, 11117..11301, 11737..11869, 11995..12131, 12786..12899, 12990..13031		

Seq. No.	35770	Seq. ID	OJ990428_04.9A05.C61
Gene No.	73752	Strand	+
Start	13654	End	19331
Name	OJ990428_04.9A05.C61.o1.np	Method	AAT/NAP
Start	13654	End	19331
GI	2529678	Score	459
Exons	13654..13758, 16845..16908, 18133..18239, 18453..18548, 18588..18694, 19056..19150, 19251..19331		
GI Descrip.	(AC002535) putative mitochondrial carrier protein [Arabidopsis thaliana]		

Seq. No.	35770	Seq. ID	OJ990428_04.9A05.C61
Gene No.	73752	Strand	+
Start	13654	End	19331
Name	OJ990428_04.9A05.C61.o4.gs	Method	GENSCAN
Start	15775	End	19150
GI	none	Score	.76
Exons	15775..15965, 16120..16418, 17016..17111, 18133..18239, 18453..18501, 18585..18694, 19056..19150		

Seq. No.	35770	Seq. ID	OJ990428_04.9A05.C61
Gene No.	73753	Strand	-
Start	3379	End	3782
Name	OJ990428_04.9A05.C61.o2.gs	Method	GENSCAN
Start	3379	End	3782
GI	none	Score	.72
Exons	3379..3489, 3606..3782		

Seq. No.	35770	Seq. ID	OJ990428_04.9A05.C61
Gene No.	73754	Strand	
Start	8186	End	9511
Name	OJ990428_04.9A05.C61.o2.ts	Method	TBLASTX:Soybean
Start	8186	End	9259
GI	none	Score	105
Exons	8186..8272, 8953..9078, 8954..9076, 9128..9259		

Seq. No.	35770	Seq. ID	OJ990428_04.9A05.C61
Gene No.	73754	Strand	
Start	8186	End	9511
Name	OJ990428_04.9A05.C61.o1.tm	Method	TBLASTX:Maize
Start	9090	End	9511
GI	none	Score	441

Exons	9090..9167, 9097..9507, 9098..9508, 9101..9511		
Seq. No.	35770	Seq. ID	OJ990428_04.9A05.C61
Gene No.	73755	Strand	
Start	11209	End	12956
Name	OJ990428_04.9A05.C61.o2.tm	Method	TBLASTX:Maize
Start	11209	End	12893
GI	none	Score	128
Exons	11209..11319, 11209..11301, 11210..11302, 11726..11866, 11731..11865, 11736..11867, 11736..11870, 11737..11871, 11955..12137, 11996..12145, 12010..12132, 12244..12330, 12258..12329, 12783..12833, 12785..12832, 12834..12893, 12845..12892		
Seq. No.	35770	Seq. ID	OJ990428_04.9A05.C61
Gene No.	73755	Strand	
Start	11209	End	12956
Name	OJ990428_04.9A05.C61.o1.tc	Method	TBLASTX:Cress
Start	11785	End	12956
GI	none	Score	73
Exons	11785..11871, 11993..12124, 11994..12137, 12234..12329, 12244..12333, 12253..12330, 12255..12332, 12783..12821, 12822..12851, 12882..12956		
Seq. No.	35770	Seq. ID	OJ990428_04.9A05.C61
Gene No.	73756	Strand	
Start	17008	End	19329
Name	OJ990428_04.9A05.C61.o3.tm	Method	TBLASTX:Maize
Start	17008	End	19323
GI	none	Score	175
Exons	17008..17112, 17009..17122, 18130..18240, 18131..18217, 18131..18241, 18135..18257, 18136..18240, 18156..18257, 18432..18500, 18451..18513, 18451..18504, 18583..18693, 18584..18694, 19050..19139, 19054..19134, 19056..19148, 19061..19150, 19086..19151, 19245..19322, 19252..19323		
Seq. No.	35770	Seq. ID	OJ990428_04.9A05.C61
Gene No.	73756	Strand	
Start	17008	End	19329
Name	OJ990428_04.9A05.C61.o1.ts	Method	TBLASTX:Soybean
Start	18183	End	19329
GI	5677649	Score	105
Exons	18183..18257, 18185..18241, 18432..18509, 18584..18694, 18613..18693, 19055..19150, 19056..19148, 19242..19328, 19243..19329, 19244..19318, 19251..19328, 19252..19329		
GI Descrip.	2529678 4.0e-42 (AC002535) unknown protein [Arabidopsis thaliana]		
Seq. No.	35771	Seq. ID	OJ990428_04.9A05.C62
Gene No.	73757	Strand	-
Start	213	End	397
Name	OJ990428_04.9A05.C62.o1.gs	Method	GENSCAN
Start	213	End	397
GI	none	Score	.74
Exons	213..397		
Seq. No.	35772	Seq. ID	OJ990428_04.9A05.C63

Gene No.	73758	Strand	+
Start	1	End	558
Name	OJ990428_04.9A05.C63.o1.np	Method	AAT/NAP
Start	1	End	537
GI	6715722	Score	139
Exons	1..152, 317..537		
GI Descrip.	(AC016447) unknown protein [Arabidopsis thaliana]		

Seq. No.	35772	Seq. ID	OJ990428_04.9A05.C63
Gene No.	73758	Strand	+
Start	1	End	558
Name	OJ990428_04.9A05.C63.o1.tm	Method	TBLASTX:Maize
Start	237	End	534
GI	none	Score	178
Exons	237..533, 274..534		

Seq. No.	35772	Seq. ID	OJ990428_04.9A05.C63
Gene No.	73758	Strand	+
Start	1	End	558
Name	OJ990428_04.9A05.C63.o1.gs	Method	GENSCAN
Start	260	End	558
GI	none	Score	.5
Exons	260..558		

Seq. No.	35772	Seq. ID	OJ990428_04.9A05.C63
Gene No.	73758	Strand	+
Start	1	End	558
Name	OJ990428_04.9A05.C63.o1.ts	Method	TBLASTX:Soybean
Start	342	End	534
GI	none	Score	226
Exons	342..533, 349..534		

Seq. No.	35772	Seq. ID	OJ990428_04.9A05.C63
Gene No.	73758	Strand	+
Start	1	End	558
Name	OJ990428_04.9A05.C63.o1.tc	Method	TBLASTX:Cress
Start	345	End	531
GI	none	Score	188
Exons	345..527, 352..531		

Seq. No.	35773	Seq. ID	OJ990428_04.9A05.C64
Gene No.	73759	Strand	-
Start	308	End	505
Name	OJ990428_04.9A05.C64.o1.gs	Method	GENSCAN
Start	308	End	505
GI	none	Score	.64
Exons	308..505		

Seq. No.	35774	Seq. ID	OJ990428_04.9A05.C65
Gene No.	73760	Strand	+
Start	178	End	387
Name	OJ990428_04.9A05.C65.o1.gs	Method	GENSCAN
Start	178	End	387
GI	none	Score	.89
Exons	178..387		

Seq. No.	35775	Seq. ID	OJ990428_04.9A05.C68

Gene No.	73761	Strand	-
Start	1	End	88
Name	OJ990428_04.9A05.C68.o1.gp	Method	AAT/GAP
Start	1	End	88
GI	LIB3433-019-P1-K1-E1	Score	153
Exons	1..88		
GI Descrip.	'5922608/dbj\|BAA84609.1\| 2.0e-17 (AP000492) hypothetical protein [Oryza sativa]'		

Seq. No.	35776	Seq. ID	OJ990428_06.9A08.C4
Gene No.	73762	Strand	+
Start	1	End	438
Name	OJ990428_06.9A08.C4.o1.np	Method	AAT/NAP
Start	1	End	438
GI	4680186	Score	327
Exons	1..50, 240..438		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35776	Seq. ID	OJ990428_06.9A08.C4
Gene No.	73763	Strand	-
Start	1	End	371
Name	OJ990428_06.9A08.C4.o1.gp	Method	AAT/GAP
Start	1	End	371
GI	uC-osf1cyp033a04b1	Score	612
Exons	1..371		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35777	Seq. ID	OJ990428_06.9A08.C8
Gene No.	73764	Strand	-
Start	337	End	734
Name	OJ990428_06.9A08.C8.o1.gs	Method	GENSCAN
Start	337	End	734
GI	none	Score	.47
Exons	337..452, 666..734		

Seq. No.	35778	Seq. ID	OJ990428_06.9A08.C9
Gene No.	73765	Strand	-
Start	1	End	431
Name	OJ990428_06.9A08.C9.o1.np	Method	AAT/NAP
Start	1	End	431
GI	5902445	Score	401
Exons	1..431		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	35778	Seq. ID	OJ990428_06.9A08.C9
Gene No.	73765	Strand	-
Start	1	End	431
Name	OJ990428_06.9A08.C9.o1.tm	Method	TBLASTX:Maize
Start	2	End	347
GI	none	Score	39
Exons	2..61, 2..61, 87..242, 89..343, 90..347		

Seq. No.	35778	Seq. ID	OJ990428_06.9A08.C9
Gene No.	73765	Strand	-
Start	1	End	431
Name	OJ990428_06.9A08.C9.o1.ts	Method	TBLASTX:Soybean

Start	41	End	412
GI	none	Score	71
Exons	41..412, 252..395		

Seq. No.	35778	Seq. ID	OJ990428_06.9A08.C9
Gene No.	73765	Strand	-
Start	1	End	431
Name	OJ990428_06.9A08.C9.o1.tw	Method	TBLASTX:Wheat
Start	71	End	422
GI	none	Score	285
Exons	71..421, 72..422		

Seq. No.	35779	Seq. ID	OJ990428_06.9A08.C10
Gene No.	73766	Strand	
Start	295	End	724
Name	OJ990428_06.9A08.C10.o1.tm	Method	TBLASTX:Maize
Start	295	End	724
GI	none	Score	39
Exons	295..318, 411..440, 412..429, 431..478, 434..478, 435..479, 456..722, 485..724, 485..721, 498..722		

Seq. No.	35780	Seq. ID	OJ990428_06.9A08.C11
Gene No.	73767	Strand	+
Start	1	End	920
Name	OJ990428_06.9A08.C11.o1.np	Method	AAT/NAP
Start	1	End	920
GI	5042463	Score	105
Exons	1..30, 467..634, 789..920		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	35780	Seq. ID	OJ990428_06.9A08.C11
Gene No.	73768	Strand	-
Start	144	End	632
Name	OJ990428_06.9A08.C11.o1.gs	Method	GENSCAN
Start	144	End	632
GI	none	Score	.77
Exons	144..313, 530..632		

Seq. No.	35781	Seq. ID	OJ990428_06.9A08.C12
Gene No.	73769	Strand	+
Start	66	End	2562
Name	OJ990428_06.9A08.C12.o1.gs	Method	GENSCAN
Start	66	End	2562
GI	none	Score	.74
Exons	66..145, 222..1237, 1348..1614, 1888..2562		

Seq. No.	35781	Seq. ID	OJ990428_06.9A08.C12
Gene No.	73770	Strand	+
Start	2823	End	3587
Name	OJ990428_06.9A08.C12.o2.gs	Method	GENSCAN
Start	2823	End	3587
GI	none	Score	.98
Exons	2823..3587		

Seq. No.	35781	Seq. ID	OJ990428_06.9A08.C12
Gene No.	73771	Strand	-
Start	3699	End	3884

Name	OJ990428_06.9A08.C12.o3.gs	Method	GENSCAN
Start	3699	End	3884
GI	none	Score	.9
Exons	3699..3884		

Seq. No.	35781	Seq. ID	OJ990428_06.9A08.C12
Gene No.	73772	Strand	-
Start	6365	End	7749
Name	OJ990428_06.9A08.C12.o1.ts	Method	TBLASTX:Soybean
Start	3126	End	3464
GI	none	Score	193
Exons	3126..3464		

Seq. No.	35781	Seq. ID	OJ990428_06.9A08.C12
Gene No.	73772	Strand	-
Start	6365	End	7749
Name	OJ990428_06.9A08.C12.o4.gs	Method	GENSCAN
Start	6365	End	7749
GI	none	Score	.4
Exons	6365..6390, 6852..6944, 7683..7749		

Seq. No.	35782	Seq. ID	OJ990428_06.9A08.C13
Gene No.	73773	Strand	+
Start	1	End	1383
Name	OJ990428_06.9A08.C13.o1.np	Method	AAT/NAP
Start	1	End	1383
GI	6006359	Score	91
Exons	1..48, 1288..1383		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	35782	Seq. ID	OJ990428_06.9A08.C13
Gene No.	73773	Strand	+
Start	1	End	1383
Name	OJ990428_06.9A08.C13.o1.gs	Method	GENSCAN
Start	82	End	477
GI	none	Score	.46
Exons	82..477		

Seq. No.	35783	Seq. ID	OJ990428_06.9A08.C14
Gene No.	73774	Strand	-
Start	746	End	993
Name	OJ990428_06.9A08.C14.o1.gp	Method	AAT/GAP
Start	746	End	993
GI	57713_5.R1084	Score	407
Exons	746..993		
GI Descrip.	'6015116/sp\|O82653\|ERG_ARATH 3.0e-34 GTP-BINDING PROTEIN ERG >gi_3676071_emb_CAA76979_ (Y17969) ERG protein [Arabidopsis thaliana]'		

Seq. No.	35784	Seq. ID	OJ990428_06.9A08.C15
Gene No.	73775	Strand	-
Start	98	End	1341
Name	OJ990428_06.9A08.C15.o1.gs	Method	GENSCAN
Start	98	End	1204
GI	none	Score	.65
Exons	98..243, 1114..1204		

Seq. No.	35784	Seq. ID	OJ990428_06.9A08.C15
Gene No.	73775	Strand	-
Start	98	End	1341
Name	OJ990428_06.9A08.C15.o1.gp	Method	AAT/GAP
Start	110	End	1341
GI	none	Score	689
Exons	110..183, 947..1039, 1114..1341		

Seq. No.	35785	Seq. ID	OJ990428_06.9A08.C16
Gene No.	73776	Strand	+
Start	1354	End	6591
Name	OJ990428_06.9A08.C16.o1.gs	Method	GENSCAN
Start	1354	End	6591
GI	none	Score	.71
Exons	1354..1444, 3548..3628, 3668..4133, 4189..4490, 4774..5001, 5318..5429, 5530..5913, 6008..6591		

Seq. No.	35785	Seq. ID	OJ990428_06.9A08.C16
Gene No.	73776	Strand	+
Start	1354	End	6591
Name	OJ990428_06.9A08.C16.o1.np	Method	AAT/NAP
Start	3185	End	3350
GI	4539658	Score	77
Exons	3185..3350		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	35785	Seq. ID	OJ990428_06.9A08.C16
Gene No.	73776	Strand	+
Start	1354	End	6591
Name	OJ990428_06.9A08.C16.o2.np	Method	AAT/NAP
Start	3776	End	4499
GI	2522230	Score	222
Exons	3776..4499		
GI Descrip.	(AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	35785	Seq. ID	OJ990428_06.9A08.C16
Gene No.	73777	Strand	-
Start	6839	End	7649
Name	OJ990428_06.9A08.C16.o2.tw	Method	TBLASTX:Wheat
Start	5598	End	5915
GI	none	Score	66
Exons	5598..5675, 5679..5849, 5862..5915		

Seq. No.	35785	Seq. ID	OJ990428_06.9A08.C16
Gene No.	73777	Strand	-
Start	6839	End	7649
Name	OJ990428_06.9A08.C16.o2.tm	Method	TBLASTX:Maize
Start	6833	End	7156
GI	none	Score	86
Exons	6833..7156, 7005..7154		

Seq. No.	35785	Seq. ID	OJ990428_06.9A08.C16
Gene No.	73777	Strand	-
Start	6839	End	7649
Name	OJ990428_06.9A08.C16.o2.gs	Method	GENSCAN

Start	6839	End	7540
GI	none	Score	.52
Exons	6839..7540		

Seq. No.	35785	Seq. ID	OJ990428_06.9A08.C16
Gene No.	73777	Strand	-
Start	6839	End	7649
Name	OJ990428_06.9A08.C16.o3.np	Method	AAT/NAP
Start	6848	End	7649
GI	6967112	Score	460
Exons	6848..7649		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	35785	Seq. ID	OJ990428_06.9A08.C16
Gene No.	73777	Strand	-
Start	6839	End	7649
Name	OJ990428_06.9A08.C16.o1.tw	Method	TBLASTX:Wheat
Start	7082	End	7499
GI	none	Score	508
Exons	7082..7498, 7083..7499		

Seq. No.	35785	Seq. ID	OJ990428_06.9A08.C16
Gene No.	73777	Strand	-
Start	6839	End	7649
Name	OJ990428_06.9A08.C16.o1.tm	Method	TBLASTX:Maize
Start	7158	End	7541
GI	none	Score	68
Exons	7158..7391, 7160..7537, 7174..7341, 7230..7538, 7428..7541		

Seq. No.	35785	Seq. ID	OJ990428_06.9A08.C16
Gene No.	73777	Strand	-
Start	6839	End	7649
Name	OJ990428_06.9A08.C16.o1.ts	Method	TBLASTX:Soybean
Start	7169	End	7540
GI	none	Score	38
Exons	7169..7333, 7248..7313, 7340..7540, 7362..7538		

Seq. No.	35786	Seq. ID	OJ990428_06.9A08.C17
Gene No.	73778	Strand	+
Start	144	End	2335
Name	OJ990428_06.9A08.C17.o1.gs	Method	GENSCAN
Start	144	End	2335
GI	none	Score	.41
Exons	144..166, 433..572, 830..1001, 1251..1590, 2227..2335		

Seq. No.	35787	Seq. ID	OJ990428_06.9A08.C18
Gene No.	73779	Strand	+
Start	1	End	801
Name	OJ990428_06.9A08.C18.o2.np	Method	AAT/NAP
Start	1	End	801
GI	4680186	Score	331
Exons	1..96, 601..801		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35787	Seq. ID	OJ990428_06.9A08.C18
Gene No.	73780	Strand	-
Start	353	End	734

Name	OJ990428_06.9A08.C18.o1.gp	Method	AAT/GAP
Start	353	End	734
GI	uC-osflcyp033a04b1	Score	683
Exons	353..734		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35788	Seq. ID	OJ990428_06.9A08.C19
Gene No.	73781	Strand	-
Start	96	End	154
Name	OJ990428_06.9A08.C19.o1.gs	Method	GENSCAN
Start	96	End	154
GI	none	Score	.63
Exons	96..154		

Seq. No.	35789	Seq. ID	OJ990428_06.9A08.C22
Gene No.	73782	Strand	+
Start	2171	End	2762
Name	OJ990428_06.9A08.C22.o1.gs	Method	GENSCAN
Start	2171	End	2762
GI	none	Score	.88
Exons	2171..2548, 2578..2586, 2754..2762		

Seq. No.	35789	Seq. ID	OJ990428_06.9A08.C22
Gene No.	73783	Strand	-
Start	3144	End	6861
Name	OJ990428_06.9A08.C22.o1.gp	Method	AAT/GAP
Start	3144	End	5396
GI	24953_1.R1084	Score	1828
Exons	3144..3564, 3912..4210, 5052..5141, 5229..5396		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	35789	Seq. ID	OJ990428_06.9A08.C22
Gene No.	73783	Strand	-
Start	3144	End	6861
Name	OJ990428_06.9A08.C22.o1.ts	Method	TBLASTX:Soybean
Start	3344	End	5397
GI	none	Score	122
Exons	3344..3598, 3361..3471, 3912..4214, 3912..4211, 3913..4218, 3977..4219, 5046..5135, 5047..5151, 5054..5152, 5225..5329, 5227..5397, 5227..5397		

Seq. No.	35789	Seq. ID	OJ990428_06.9A08.C22
Gene No.	73783	Strand	-
Start	3144	End	6861
Name	OJ990428_06.9A08.C22.o2.tm	Method	TBLASTX:Maize
Start	3349	End	3565
GI	none	Score	200
Exons	3349..3471, 3353..3565, 3354..3560, 3356..3565		

Seq. No.	35789	Seq. ID	OJ990428_06.9A08.C22
Gene No.	73783	Strand	-
Start	3144	End	6861
Name	OJ990428_06.9A08.C22.o2.gs	Method	GENSCAN
Start	3355	End	6742
GI	none	Score	.87

Exons	3355..3564, 3912..4210, 5052..5141, 5229..5509, 6024..6137, 6156..6274, 6740..6742		
Seq. No.	35789	Seq. ID	OJ990428_06.9A08.C22
Gene No.	73783	Strand	-
Start	3144	End	6861
Name	OJ990428_06.9A08.C22.o1.np	Method	AAT/NAP
Start	3361	End	6861
GI	4699942	Score	758
Exons	3361..3564, 3912..4210, 5052..5141, 5229..5394, 6826..6861		
GI Descrip.	(AC007166) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	35789	Seq. ID	OJ990428_06.9A08.C22
Gene No.	73783	Strand	-
Start	3144	End	6861
Name	OJ990428_06.9A08.C22.o1.tc	Method	TBLASTX:Cress
Start	3379	End	5329
GI	none	Score	64
Exons	3379..3468, 3891..4109, 3912..4085, 3913..4095, 4110..4202, 4111..4191, 5044..5133, 5066..5134, 5222..5329, 5230..5325		

Seq. No.	35789	Seq. ID	OJ990428_06.9A08.C22
Gene No.	73783	Strand	-
Start	3144	End	6861
Name	OJ990428_06.9A08.C22.o1.tm	Method	TBLASTX:Maize
Start	3963	End	5124
GI	none	Score	146
Exons	3963..4211, 3964..4212, 5041..5124		

Seq. No.	35789	Seq. ID	OJ990428_06.9A08.C22
Gene No.	73783	Strand	-
Start	3144	End	6861
Name	OJ990428_06.9A08.C22.o1.tw	Method	TBLASTX:Wheat
Start	4011	End	5293
GI	none	Score	172
Exons	4011..4211, 4012..4218, 4040..4213, 5044..5151, 5045..5152, 5227..5292, 5228..5293		

Seq. No.	35790	Seq. ID	OJ990428_06.9A08.C23
Gene No.	73784	Strand	+
Start	1	End	111
Name	OJ990428_06.9A08.C23.o1.gp	Method	AAT/GAP
Start	1	End	111
GI	24953_1.R1084	Score	211
Exons	1..111		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	35790	Seq. ID	OJ990428_06.9A08.C23
Gene No.	73785	Strand	-
Start	1	End	120
Name	OJ990428_06.9A08.C23.o1.np	Method	AAT/NAP
Start	1	End	120
GI	4699942	Score	110
Exons	1..120		
GI Descrip.	(AC007166) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	35790	Seq. ID	OJ990428_06.9A08.C23
Gene No.	73786	Strand	-
Start	27	End	1545
Name	OJ990428_06.9A08.C23.o1.gs	Method	GENSCAN
Start	27	End	1519
GI	none	Score	.68
Exons	27..212, 1309..1519		

Seq. No.	35790	Seq. ID	OJ990428_06.9A08.C23
Gene No.	73786	Strand	-
Start	27	End	1545
Name	OJ990428_06.9A08.C23.o1.tm	Method	TBLASTX:Maize
Start	1301	End	1545
GI	none	Score	148
Exons	1301..1489, 1302..1418, 1309..1545		

Seq. No.	35791	Seq. ID	OJ990428_06.9A08.C24
Gene No.	73787	Strand	+
Start	97	End	297
Name	OJ990428_06.9A08.C24.o1.gs	Method	GENSCAN
Start	97	End	297
GI	none	Score	.6
Exons	97..297		

Seq. No.	35792	Seq. ID	OJ990428_06.9A08.C25
Gene No.	73788	Strand	+
Start	85	End	203
Name	OJ990428_06.9A08.C25.o1.gs	Method	GENSCAN
Start	85	End	203
GI	none	Score	.92
Exons	85..203		

Seq. No.	35793	Seq. ID	OJ990428_06.9A08.C26
Gene No.	73789	Strand	+
Start	207	End	665
Name	OJ990428_06.9A08.C26.o1.gs	Method	GENSCAN
Start	207	End	665
GI	none	Score	.86
Exons	207..665		

Seq. No.	35793	Seq. ID	OJ990428_06.9A08.C26
Gene No.	73790	Strand	-
Start	1	End	8912
Name	OJ990428_06.9A08.C26.o1.np	Method	AAT/NAP
Start	1	End	8899
GI	2204089	Score	749
Exons	1..37, 1562..1666, 1715..1771, 1853..1979, 2078..2673, 2950..3083, 3649..3774, 3845..3924, 4005..4071, 4245..4312, 4566..4617, 4709..4791, 7298..7376, 7839..7930, 8826..8899		
GI Descrip.	(Z82989) FCA gamma [Arabidopsis thaliana]		

Seq. No.	35793	Seq. ID	OJ990428_06.9A08.C26
Gene No.	73790	Strand	-
Start	1	End	8912
Name	OJ990428_06.9A08.C26.o1.gp	Method	AAT/GAP
Start	144	End	2052
GI	15180_1.R1084	Score	1537

Exons	144..476, 879..925, 1021..1080, 1562..1771, 1853..2052		
GI Descrip.	'3023721/sp\|O04425\|FCA_ARATH 4.0e-12 FLOWERING TIME CONTROL PROTEIN FCA >gi_2204095_emb_CAB05391_ (Z82992) FCA gamma [Arabidopsis thaliana]'		

Seq. No.	35793	Seq. ID	OJ990428_06.9A08.C26
Gene No.	73790	Strand	-
Start	1	End	8912
Name	OJ990428_06.9A08.C26.o2.gs	Method	GENSCAN
Start	1535	End	8912
GI	none	Score	.83
Exons	1535..1771, 1853..2029, 2146..2673, 2762..2821, 2923..3079, 3503..3565, 3710..3774, 3845..3924, 4005..4071, 4245..4312, 4566..4617, 4709..4791, 7298..7376, 7839..7909, 8573..8912		

Seq. No.	35793	Seq. ID	OJ990428_06.9A08.C26
Gene No.	73790	Strand	-
Start	1	End	8912
Name	OJ990428_06.9A08.C26.o2.gp	Method	AAT/GAP
Start	2308	End	2816
GI	5003135	Score	822
Exons	2308..2673, 2762..2816		

Seq. No.	35793	Seq. ID	OJ990428_06.9A08.C26
Gene No.	73791	Strand	-
Start	13449	End	15153
Name	OJ990428_06.9A08.C26.o2.tc	Method	TBLASTX:Cress
Start	1739	End	7922
GI	none	Score	82
Exons	1739..1774, 1853..1978, 3709..3774, 3710..3775, 3845..3940, 3846..3938, 3868..3942, 3994..4071, 4004..4072, 4030..4080, 4242..4316, 4562..4615, 4564..4611, 4688..4792, 4693..4794, 4703..4795, 4704..4796, 7249..7374, 7276..7356, 7296..7379, 7836..7922		

Seq. No.	35793	Seq. ID	OJ990428_06.9A08.C26
Gene No.	73791	Strand	-
Start	13449	End	15153
Name	OJ990428_06.9A08.C26.o2.tm	Method	TBLASTX:Maize
Start	2483	End	3048
GI	none	Score	62
Exons	2483..2527, 2537..2659, 2538..2660, 2547..2657, 2575..2658, 2761..2835, 2762..2854, 2763..2858, 2932..3003, 2935..3003, 3007..3045, 3007..3048		

Seq. No.	35793	Seq. ID	OJ990428_06.9A08.C26
Gene No.	73791	Strand	-
Start	13449	End	15153
Name	OJ990428_06.9A08.C26.o3.tm	Method	TBLASTX:Maize
Start	7017	End	7343
GI	none	Score	50
Exons	7017..7061, 7068..7187, 7071..7187, 7076..7189, 7078..7188, 7167..7223, 7167..7235, 7168..7236, 7189..7236, 7258..7341, 7296..7343		

Seq. No.	35793	Seq. ID	OJ990428_06.9A08.C26
Gene No.	73791	Strand	-

Start	13449	End	15153
Name	OJ990428_06.9A08.C26.o3.gs	Method	GENSCAN
Start	13449	End	14966
GI	none	Score	.41
Exons	13449..13619, 13893..14966		

Seq. No.	35793	Seq. ID	OJ990428_06.9A08.C26
Gene No.	73791	Strand	-
Start	13449	End	15153
Name	OJ990428_06.9A08.C26.o1.tm	Method	TBLASTX:Maize
Start	13615	End	15153
GI	none	Score	39
Exons	13615..13638, 13731..13760, 13732..13749, 13751..13798, 13754..13798, 13755..13799, 13795..14100, 13805..14101, 13805..14104, 13818..14108, 13921..14109, 14114..14206, 14115..14213, 14134..14214, 14206..14514, 14211..14519, 14517..14597, 14558..14749, 14562..14762, 14563..14742, 14773..14952, 14788..15006, 14792..15004, 14796..15005, 14893..15153, 14976..15152, 15007..15153		

Seq. No.	35793	Seq. ID	OJ990428_06.9A08.C26
Gene No.	73791	Strand	-
Start	13449	End	15153
Name	OJ990428_06.9A08.C26.o1.ts	Method	TBLASTX:Soybean
Start	13884	End	14561
GI	none	Score	110
Exons	13884..14102, 13921..14103, 14160..14561, 14161..14493		

Seq. No.	35793	Seq. ID	OJ990428_06.9A08.C26
Gene No.	73791	Strand	-
Start	13449	End	15153
Name	OJ990428_06.9A08.C26.o1.tc	Method	TBLASTX:Cress
Start	14137	End	14600
GI	none	Score	157
Exons	14137..14478, 14148..14600		

Seq. No.	35794	Seq. ID	OJ990428_06.9A08.C27
Gene No.	73792	Strand	-
Start	82	End	4274
Name	OJ990428_06.9A08.C27.o1.tm	Method	TBLASTX:Maize
Start	1	End	442
GI	none	Score	484
Exons	1..441, 2..442		

Seq. No.	35794	Seq. ID	OJ990428_06.9A08.C27
Gene No.	73792	Strand	-
Start	82	End	4274
Name	OJ990428_06.9A08.C27.o1.gs	Method	GENSCAN
Start	82	End	4274
GI	none	Score	.82
Exons	82..672, 1424..1495, 1569..1655, 1828..2004, 3312..3398, 3804..3855, 3922..3971, 4089..4274		

Seq. No.	35794	Seq. ID	OJ990428_06.9A08.C27
Gene No.	73792	Strand	-
Start	82	End	4274
Name	OJ990428_06.9A08.C27.o2.tm	Method	TBLASTX:Maize

Start	490	End	1657
GI	none	Score	214
Exons	490..561, 491..673, 491..673, 1419..1505, 1423..1506, 1427..1522, 1436..1516, 1566..1655, 1569..1655, 1576..1656, 1577..1657		

Seq. No.	35795	Seq. ID	OJ990428_06.9A08.C28
Gene No.	73793	Strand	+
Start	1466	End	2760
Name	OJ990428_06.9A08.C28.o1.gs	Method	GENSCAN
Start	1466	End	2760
GI	none	Score	.76
Exons	1466..1799, 1882..1939, 2694..2760		

Seq. No.	35795	Seq. ID	OJ990428_06.9A08.C28
Gene No.	73794	Strand	+
Start	4676	End	6079
Name	OJ990428_06.9A08.C28.o1.np	Method	AAT/NAP
Start	4676	End	6079
GI	5042463	Score	76
Exons	4676..4707, 5901..6079		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	35795	Seq. ID	OJ990428_06.9A08.C28
Gene No.	73795	Strand	-
Start	4079	End	4689
Name	OJ990428_06.9A08.C28.o2.gs	Method	GENSCAN
Start	4079	End	4689
GI	none	Score	.56
Exons	4079..4211, 4388..4689		

Seq. No.	35795	Seq. ID	OJ990428_06.9A08.C28
Gene No.	73796	Strand	-
Start	5578	End	5747
Name	OJ990428_06.9A08.C28.o3.gs	Method	GENSCAN
Start	5578	End	5747
GI	none	Score	.58
Exons	5578..5747		

Seq. No.	35796	Seq. ID	OJ990428_06.9A08.C30
Gene No.	73797	Strand	-
Start	278	End	621
Name	OJ990428_06.9A08.C30.o1.tm	Method	TBLASTX:Maize
Start	266	End	621
GI	none	Score	67
Exons	266..337, 269..337, 432..515, 437..511, 529..621		

Seq. No.	35796	Seq. ID	OJ990428_06.9A08.C30
Gene No.	73797	Strand	-
Start	278	End	621
Name	OJ990428_06.9A08.C30.o1.gs	Method	GENSCAN
Start	278	End	508
GI	none	Score	.47
Exons	278..334, 437..508		

Seq. No.	35797	Seq. ID	OJ990428_06.9A08.C31
Gene No.	73798	Strand	-

Start	1	End	495
Name	OJ990428_06.9A08.C31.o1.np	Method	AAT/NAP
Start	1	End	495
GI	5042463	Score	115
Exons	1..128, 281..495		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	35798	Seq. ID	OJ990428_06.9A08.C32
Gene No.	73799	Strand	+
Start	1	End	986
Name	OJ990428_06.9A08.C32.o1.np	Method	AAT/NAP
Start	1	End	986
GI	6691193	Score	562
Exons	1..85, 343..986		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	35798	Seq. ID	OJ990428_06.9A08.C32
Gene No.	73799	Strand	+
Start	1	End	986
Name	OJ990428_06.9A08.C32.o1.gs	Method	GENSCAN
Start	416	End	784
GI	none	Score	.95
Exons	416..784		

Seq. No.	35798	Seq. ID	OJ990428_06.9A08.C32
Gene No.	73799	Strand	+
Start	1	End	986
Name	OJ990428_06.9A08.C32.o1.ts	Method	TBLASTX:Soybean
Start	520	End	874
GI	none	Score	79
Exons	520..561, 521..562, 560..874, 586..873		

Seq. No.	35798	Seq. ID	OJ990428_06.9A08.C32
Gene No.	73799	Strand	+
Start	1	End	986
Name	OJ990428_06.9A08.C32.o1.tw	Method	TBLASTX:Wheat
Start	520	End	976
GI	none	Score	254
Exons	520..807, 521..820, 527..943, 845..976, 904..975		

Seq. No.	35799	Seq. ID	OJ990428_06.9A08.C33
Gene No.	73800	Strand	+
Start	1	End	7236
Name	OJ990428_06.9A08.C33.o1.np	Method	AAT/NAP
Start	1	End	1004
GI	6691191	Score	814
Exons	1..1004		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	35799	Seq. ID	OJ990428_06.9A08.C33
Gene No.	73800	Strand	+
Start	1	End	7236
Name	OJ990428_06.9A08.C33.o1.gs	Method	GENSCAN
Start	67	End	399
GI	none	Score	.93
Exons	67..399		

Seq. No.	35799	Seq. ID	OJ990428_06.9A08.C33
Gene No.	73800	Strand	+
Start	1	End	7236
Name	OJ990428_06.9A08.C33.o2.gs	Method	GENSCAN
Start	834	End	7236
GI	none	Score	.48
Exons	834..1017, 1951..2118, 2936..3062, 3472..3562, 3750..3798, 4801..4977, 5254..5370, 7154..7236		

Seq. No.	35799	Seq. ID	OJ990428_06.9A08.C33
Gene No.	73801	Strand	-
Start	6644	End	6719
Name	OJ990428_06.9A08.C33.o1.gp	Method	AAT/GAP
Start	6644	End	6719
GI	LIB3477-003-P1-K1-E9	Score	114
Exons	6644..6719		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	35799	Seq. ID	OJ990428_06.9A08.C33
Gene No.	73802	Strand	-
Start	8927	End	10279
Name	OJ990428_06.9A08.C33.o2.ts	Method	TBLASTX:Soybean
Start	67	End	417
GI	none	Score	300
Exons	67..417, 93..323, 360..413		

Seq. No.	35799	Seq. ID	OJ990428_06.9A08.C33
Gene No.	73802	Strand	-
Start	8927	End	10279
Name	OJ990428_06.9A08.C33.o1.tw	Method	TBLASTX:Wheat
Start	93	End	549
GI	none	Score	358
Exons	93..383, 94..549, 100..531, 477..548		

Seq. No.	35799	Seq. ID	OJ990428_06.9A08.C33
Gene No.	73802	Strand	-
Start	8927	End	10279
Name	OJ990428_06.9A08.C33.o1.ts	Method	TBLASTX:Soybean
Start	418	End	944
GI	none	Score	199
Exons	418..612, 420..614, 617..808, 814..837, 891..944		

Seq. No.	35799	Seq. ID	OJ990428_06.9A08.C33
Gene No.	73802	Strand	-
Start	8927	End	10279
Name	OJ990428_06.9A08.C33.o2.tw	Method	TBLASTX:Wheat
Start	550	End	811
GI	none	Score	64
Exons	550..630, 555..605, 617..811, 635..742		

Seq. No.	35799	Seq. ID	OJ990428_06.9A08.C33
Gene No.	73802	Strand	-
Start	8927	End	10279
Name	OJ990428_06.9A08.C33.o3.gs	Method	GENSCAN
Start	8927	End	10279

GI	none	Score	.62
Exons	8927..9391, 9494..10279		

Seq. No.	35800	Seq. ID	OJ990428_06.9A08.C34
Gene No.	73803	Strand	+
Start	1138	End	1182
Name	OJ990428_06.9A08.C34.o1.gs	Method	GENSCAN
Start	1138	End	1182
GI	none	Score	.66
Exons	1138..1182		

Seq. No.	35800	Seq. ID	OJ990428_06.9A08.C34
Gene No.	73804	Strand	-
Start	1275	End	4530
Name	OJ990428_06.9A08.C34.o1.np	Method	AAT/NAP
Start	1275	End	4402
GI	3335366	Score	29
Exons	1275..1297, 3478..3658, 4187..4243, 4346..4402		
GI Descrip.	(AC003028) unknown protein [Arabidopsis thaliana]		

Seq. No.	35800	Seq. ID	OJ990428_06.9A08.C34
Gene No.	73804	Strand	-
Start	1275	End	4530
Name	OJ990428_06.9A08.C34.o1.tm	Method	TBLASTX:Maize
Start	3467	End	3670
GI	none	Score	226
Exons	3467..3667, 3492..3668, 3500..3670, 3501..3668		

Seq. No.	35800	Seq. ID	OJ990428_06.9A08.C34
Gene No.	73804	Strand	-
Start	1275	End	4530
Name	OJ990428_06.9A08.C34.o2.tm	Method	TBLASTX:Maize
Start	4175	End	4530
GI	none	Score	67
Exons	4175..4246, 4178..4246, 4341..4424, 4346..4420, 4438..4530		

Seq. No.	35801	Seq. ID	OJ990428_06.9A08.C35
Gene No.	73805	Strand	+
Start	219	End	655
Name	OJ990428_06.9A08.C35.o1.gs	Method	GENSCAN
Start	219	End	655
GI	none	Score	.58
Exons	219..361, 608..655		

Seq. No.	35801	Seq. ID	OJ990428_06.9A08.C35
Gene No.	73806	Strand	-
Start	1057	End	5269
Name	OJ990428_06.9A08.C35.o2.gs	Method	GENSCAN
Start	1057	End	5269
GI	none	Score	.57
Exons	1057..1602, 3054..3144, 3650..3755, 3787..3914, 5142..5269		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73807	Strand	+
Start	7556	End	7919
Name	OJ990428_06.9A08.C36.o2.np	Method	AAT/NAP
Start	7556	End	7919

GI	6539585	Score	121
Exons	7556..7732, 7865..7919		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o1.tc	Method	TBLASTX:Cress
Start	314	End	1042
GI	none	Score	91
Exons	314..613, 377..577, 610..648, 631..705, 665..733, 728..808, 729..803, 845..1042, 852..965		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o1.np	Method	AAT/NAP
Start	329	End	9476
GI	5295971	Score	2529
Exons	329..2657, 4491..5304, 6464..6571, 6759..7472, 9382..9476		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94 (X13777) [Oryza sativa]		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o4.tm	Method	TBLASTX:Maize
Start	365	End	751
GI	none	Score	214
Exons	365..751, 366..749, 625..750		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o3.ts	Method	TBLASTX:Soybean
Start	515	End	958
GI	none	Score	62
Exons	515..673, 515..841, 672..842, 836..958		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o1.tm	Method	TBLASTX:Maize
Start	893	End	1316
GI	none	Score	55
Exons	893..1315, 897..968, 916..1107, 917..1201, 1026..1316		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o1.tw	Method	TBLASTX:Wheat
Start	1148	End	1717
GI	none	Score	140
Exons	1148..1378, 1370..1717, 1374..1697		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36

Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o1.ts	Method	TBLASTX:Soybean
Start	1385	End	1831
GI	5509260	Score	167
Exons	1385..1831, 1404..1808		
GI Descrip.	-		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o2.tc	Method	TBLASTX:Cress
Start	1496	End	1771
GI	none	Score	81
Exons	1496..1771, 1515..1760		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o2.tm	Method	TBLASTX:Maize
Start	1535	End	1822
GI	none	Score	244
Exons	1535..1822, 1536..1814		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o2.ts	Method	TBLASTX:Soybean
Start	2237	End	2653
GI	none	Score	134
Exons	2237..2653, 2403..2633, 2447..2644		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o3.tc	Method	TBLASTX:Cress
Start	2255	End	2653
GI	none	Score	200
Exons	2255..2653		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o3.tm	Method	TBLASTX:Maize
Start	2315	End	4573
GI	none	Score	141
Exons	2315..2386, 2399..2653, 2411..2650, 2533..2688, 4499..4573		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o5.ts	Method	TBLASTX:Soybean
Start	3440	End	3673
GI	none	Score	42
Exons	3440..3673, 3441..3467, 3543..3629		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36

Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o6.ts	Method	TBLASTX:Soybean
Start	4013	End	4408
GI	none	Score	59
Exons	4013..4408, 4131..4307, 4193..4381		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o4.tw	Method	TBLASTX:Wheat
Start	4526	End	4783
GI	none	Score	74
Exons	4526..4780, 4667..4783		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o5.tm	Method	TBLASTX:Maize
Start	4871	End	5295
GI	none	Score	127
Exons	4871..5209, 4878..5114, 4913..5152, 5132..5257, 5137..5295, 5138..5275		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o3.np	Method	AAT/NAP
Start	5477	End	9476
GI	5902445	Score	955
Exons	5477..5501, 8087..8523, 8569..8910, 9123..9476		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o2.tw	Method	TBLASTX:Wheat
Start	8221	End	8697
GI	none	Score	168
Exons	8221..8514, 8303..8551, 8581..8697, 8582..8692		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o4.ts	Method	TBLASTX:Soybean
Start	8275	End	8700
GI	none	Score	96
Exons	8275..8511, 8587..8700		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o3.tw	Method	TBLASTX:Wheat
Start	8734	End	9375
GI	none	Score	64
Exons	8734..8892, 8750..8869, 9123..9374, 9124..9375		

Seq. No.	35802	Seq. ID	OJ990428_06.9A08.C36
Gene No.	73808	Strand	-
Start	329	End	9476
Name	OJ990428_06.9A08.C36.o6.tm	Method	TBLASTX:Maize
Start	9105	End	9408
GI	none	Score	119
Exons	9105..9194, 9204..9407, 9205..9408		

Seq. No.	35803	Seq. ID	OJ990428_06.9A08.C37
Gene No.	73809	Strand	+
Start	780	End	2339
Name	OJ990428_06.9A08.C37.o1.np	Method	AAT/NAP
Start	780	End	2339
GI	6063554	Score	159
Exons	780..1021, 2166..2339		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35804	Seq. ID	OJ990428_06.9A08.C38
Gene No.	73810	Strand	+
Start	1749	End	1806
Name	OJ990428_06.9A08.C38.o1.gs	Method	GENSCAN
Start	1749	End	1806
GI	none	Score	.49
Exons	1749..1806		

Seq. No.	35805	Seq. ID	OJ990428_06.9A08.C39
Gene No.	73811	Strand	-
Start	290	End	593
Name	OJ990428_06.9A08.C39.o1.gs	Method	GENSCAN
Start	290	End	593
GI	none	Score	.98
Exons	290..593		

Seq. No.	35806	Seq. ID	OJ990428_06.9A08.C40
Gene No.	73812	Strand	+
Start	104	End	332
Name	OJ990428_06.9A08.C40.o1.gs	Method	GENSCAN
Start	104	End	332
GI	none	Score	.6
Exons	104..191, 228..332		

Seq. No.	35807	Seq. ID	OJ990428_06.9A08.C41
Gene No.	73813	Strand	+
Start	117	End	422
Name	OJ990428_06.9A08.C41.o1.gp	Method	AAT/GAP
Start	117	End	422
GI	24953_1.R1084	Score	552
Exons	117..422		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	35807	Seq. ID	OJ990428_06.9A08.C41
Gene No.	73814	Strand	-
Start	1	End	754
Name	OJ990428_06.9A08.C41.o1.np	Method	AAT/NAP

Start	1	End	754
GI	4699942	Score	341
Exons	1..28, 118..421, 647..754		
GI Descrip.	(AC007166) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	35807	Seq. ID	OJ990428_06.9A08.C41
Gene No.	73814	Strand	-
Start	1	End	754
Name	OJ990428_06.9A08.C41.o1.tc	Method	TBLASTX:Cress
Start	101	End	412
GI	none	Score	132
Exons	101..319, 123..305, 320..412, 321..401		

Seq. No.	35807	Seq. ID	OJ990428_06.9A08.C41
Gene No.	73814	Strand	-
Start	1	End	754
Name	OJ990428_06.9A08.C41.o1.gs	Method	GENSCAN
Start	122	End	420
GI	none	Score	.98
Exons	122..420		

Seq. No.	35807	Seq. ID	OJ990428_06.9A08.C41
Gene No.	73814	Strand	-
Start	1	End	754
Name	OJ990428_06.9A08.C41.o1.ts	Method	TBLASTX:Soybean
Start	122	End	429
GI	none	Score	315
Exons	122..421, 123..428, 139..429, 187..429		

Seq. No.	35807	Seq. ID	OJ990428_06.9A08.C41
Gene No.	73814	Strand	-
Start	1	End	754
Name	OJ990428_06.9A08.C41.o1.tm	Method	TBLASTX:Maize
Start	173	End	422
GI	none	Score	146
Exons	173..421, 174..422		

Seq. No.	35807	Seq. ID	OJ990428_06.9A08.C41
Gene No.	73814	Strand	-
Start	1	End	754
Name	OJ990428_06.9A08.C41.o1.tw	Method	TBLASTX:Wheat
Start	221	End	443
GI	none	Score	172
Exons	221..421, 222..428, 222..443		

Seq. No.	35808	Seq. ID	OJ990428_06.9A08.C45
Gene No.	73815	Strand	+
Start	1	End	1597
Name	OJ990428_06.9A08.C45.o1.np	Method	AAT/NAP
Start	1	End	145
GI	4680186	Score	126
Exons	1..145		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35808	Seq. ID	OJ990428_06.9A08.C45
Gene No.	73815	Strand	+
Start	1	End	1597

Name	OJ990428_06.9A08.C45.o2.np	Method	AAT/NAP
Start	1	End	1597
GI	5852180	Score	395
Exons	1..81, 820..1370, 1516..1597		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	35808	Seq. ID	OJ990428_06.9A08.C45
Gene No.	73815	Strand	+
Start	1	End	1597
Name	OJ990428_06.9A08.C45.o1.gs	Method	GENSCAN
Start	1122	End	1273
GI	none	Score	.97
Exons	1122..1273		

Seq. No.	35809	Seq. ID	OJ990428_06.9A08.C46
Gene No.	73816	Strand	-
Start	354	End	1029
Name	OJ990428_06.9A08.C46.o1.gs	Method	GENSCAN
Start	354	End	1029
GI	none	Score	.42
Exons	354..539, 885..1029		

Seq. No.	35810	Seq. ID	OJ990428_06.9A08.C47
Gene No.	73817	Strand	+
Start	1460	End	2008
Name	OJ990428_06.9A08.C47.o1.gs	Method	GENSCAN
Start	1460	End	2008
GI	none	Score	.65
Exons	1460..1549, 1835..2008		

Seq. No.	35810	Seq. ID	OJ990428_06.9A08.C47
Gene No.	73818	Strand	-
Start	2383	End	2732
Name	OJ990428_06.9A08.C47.o2.gs	Method	GENSCAN
Start	2383	End	2732
GI	none	Score	.5
Exons	2383..2513, 2619..2732		

Seq. No.	35811	Seq. ID	OJ990428_06.9A08.C51
Gene No.	73819	Strand	+
Start	5	End	79
Name	OJ990428_06.9A08.C51.o1.gs	Method	GENSCAN
Start	5	End	79
GI	none	Score	.96
Exons	5..79		

Seq. No.	35812	Seq. ID	OJ990428_06.9A08.C53
Gene No.	73820	Strand	+
Start	474	End	516
Name	OJ990428_06.9A08.C53.o1.gs	Method	GENSCAN
Start	474	End	516
GI	none	Score	.46
Exons	474..516		

Seq. No.	35813	Seq. ID	OJ990428_06.9A08.C54
Gene No.	73821	Strand	-
Start	331	End	649

Name	OJ990428_06.9A08.C54.o1.tm	Method	TBLASTX:Maize
Start	8	End	559
GI	none	Score	55
Exons	8..73, 12..65, 218..559, 240..362, 290..517		

Seq. No.	35813	Seq. ID	OJ990428_06.9A08.C54
Gene No.	73821	Strand	-
Start	331	End	649
Name	OJ990428_06.9A08.C54.o1.gs	Method	GENSCAN
Start	331	End	649
GI	none	Score	.71
Exons	331..649		

Seq. No.	35814	Seq. ID	OJ990428_06.9A08.C55
Gene No.	73822	Strand	+
Start	1	End	1004
Name	OJ990428_06.9A08.C55.o1.np	Method	AAT/NAP
Start	1	End	1004
GI	5295971	Score	219
Exons	1..69, 757..1004		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94 (X13777) [Oryza sativa]		

Seq. No.	35814	Seq. ID	OJ990428_06.9A08.C55
Gene No.	73822	Strand	+
Start	1	End	1004
Name	OJ990428_06.9A08.C55.o1.gs	Method	GENSCAN
Start	669	End	876
GI	none	Score	.91
Exons	669..876		

Seq. No.	35814	Seq. ID	OJ990428_06.9A08.C55
Gene No.	73822	Strand	+
Start	1	End	1004
Name	OJ990428_06.9A08.C55.o1.tm	Method	TBLASTX:Maize
Start	757	End	1000
GI	none	Score	218
Exons	757..963, 759..953, 760..954, 959..1000		

Seq. No.	35814	Seq. ID	OJ990428_06.9A08.C55
Gene No.	73822	Strand	+
Start	1	End	1004
Name	OJ990428_06.9A08.C55.o1.ts	Method	TBLASTX:Soybean
Start	757	End	963
GI	none	Score	196
Exons	757..963, 766..954, 777..959		

Seq. No.	35815	Seq. ID	OJ990428_06.9A08.C56
Gene No.	73823	Strand	+
Start	42	End	154
Name	OJ990428_06.9A08.C56.o1.gp	Method	AAT/GAP
Start	42	End	154
GI	uC-osf1cyp033a04b1	Score	161
Exons	42..154		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35815	Seq. ID	OJ990428_06.9A08.C56
Gene No.	73824	Strand	-
Start	790	End	1040
Name	OJ990428_06.9A08.C56.o1.gs	Method	GENSCAN
Start	790	End	1040
GI	none	Score	.64
Exons	790..1040		

Seq. No.	35816	Seq. ID	OJ990428_06.9A08.C57
Gene No.	73825	Strand	-
Start	1	End	636
Name	OJ990428_06.9A08.C57.o1.np	Method	AAT/NAP
Start	1	End	636
GI	6498441	Score	411
Exons	1..141, 328..636		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	35816	Seq. ID	OJ990428_06.9A08.C57
Gene No.	73825	Strand	-
Start	1	End	636
Name	OJ990428_06.9A08.C57.o1.tw	Method	TBLASTX:Wheat
Start	49	End	456
GI	none	Score	42
Exons	49..159, 53..148, 202..363, 215..436, 232..456		

Seq. No.	35817	Seq. ID	OJ990428_06.9A08.C60
Gene No.	73826	Strand	-
Start	80	End	149
Name	OJ990428_06.9A08.C60.o1.gs	Method	GENSCAN
Start	80	End	149
GI	none	Score	.95
Exons	80..149		

Seq. No.	35818	Seq. ID	OJ990428_06.9A08.C62
Gene No.	73827	Strand	-
Start	1	End	62
Name	OJ990428_06.9A08.C62.o1.gp	Method	AAT/GAP
Start	1	End	62
GI	3760640	Score	96
Exons	1..62		
GI Descrip.	4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	35819	Seq. ID	OJ990428_06.9A08.C64
Gene No.	73828	Strand	-
Start	1	End	479
Name	OJ990428_06.9A08.C64.o1.np	Method	AAT/NAP
Start	1	End	479
GI	5295971	Score	273
Exons	1..62, 168..479		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	35819	Seq. ID	OJ990428_06.9A08.C64
Gene No.	73828	Strand	-
Start	1	End	479
Name	OJ990428_06.9A08.C64.o1.gs	Method	GENSCAN
Start	153	End	316
GI	none	Score	.58
Exons	153..316		

Seq. No.	35820	Seq. ID	OJ990428_06.9A08.C65
Gene No.	73829	Strand	-
Start	1	End	540
Name	OJ990428_06.9A08.C65.o1.np	Method	AAT/NAP
Start	1	End	540
GI	5295971	Score	309
Exons	1..540		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	35820	Seq. ID	OJ990428_06.9A08.C65
Gene No.	73829	Strand	-
Start	1	End	540
Name	OJ990428_06.9A08.C65.o1.tm	Method	TBLASTX:Maize
Start	129	End	473
GI	none	Score	127
Exons	129..467, 136..372, 171..410, 395..472, 396..473		

Seq. No.	35821	Seq. ID	OJ990408_01.9A05.C1
Gene No.	73830	Strand	-
Start	1	End	1869
Name	OJ990408_01.9A05.C1.o2.np	Method	AAT/NAP
Start	1	End	1869
GI	6721517	Score	200
Exons	1..134, 1598..1869		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	35821	Seq. ID	OJ990408_01.9A05.C1
Gene No.	73830	Strand	-
Start	1	End	1869
Name	OJ990408_01.9A05.C1.o1.gs	Method	GENSCAN
Start	594	End	1805
GI	none	Score	.85
Exons	594..1805		

Seq. No.	35821	Seq. ID	OJ990408_01.9A05.C1
Gene No.	73830	Strand	-
Start	1	End	1869
Name	OJ990408_01.9A05.C1.o1.np	Method	AAT/NAP
Start	597	End	1869
GI	4680179	Score	1424
Exons	597..1632, 1809..1869		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35821	Seq. ID	OJ990408_01.9A05.C1
Gene No.	73830	Strand	-
Start	1	End	1869
Name	OJ990408_01.9A05.C1.o2.tw	Method	TBLASTX:Wheat

Start	642	End	975
GI	none	Score	123
Exons	642..974, 663..971, 706..975		

Seq. No.	35821	Seq. ID	OJ990408_01.9A05.C1
Gene No.	73830	Strand	-
Start	1	End	1869
Name	OJ990408_01.9A05.C1.o1.tm	Method	TBLASTX:Maize
Start	822	End	1421
GI	none	Score	120
Exons	822..1262, 837..1100, 838..1263, 1260..1421, 1267..1413		

Seq. No.	35821	Seq. ID	OJ990408_01.9A05.C1
Gene No.	73830	Strand	-
Start	1	End	1869
Name	OJ990408_01.9A05.C1.o1.tw	Method	TBLASTX:Wheat
Start	975	End	1595
GI	none	Score	292
Exons	975..1595, 976..1545		

Seq. No.	35821	Seq. ID	OJ990408_01.9A05.C1
Gene No.	73830	Strand	-
Start	1	End	1869
Name	OJ990408_01.9A05.C1.o2.tm	Method	TBLASTX:Maize
Start	1422	End	1596
GI	none	Score	94
Exons	1422..1595, 1425..1589, 1450..1596		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73831	Strand	+
Start	1244	End	6293
Name	OJ990408_01.9A05.C2.o3.np	Method	AAT/NAP
Start	1244	End	6293
GI	4680186	Score	363
Exons	1244..1286, 5206..5254, 6093..6293		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o1.np	Method	AAT/NAP
Start	1	End	3897
GI	4680179	Score	4520
Exons	1..2781, 2815..3897		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o4.tw	Method	TBLASTX:Wheat
Start	1	End	385
GI	none	Score	239
Exons	1..378, 1..384, 5..385, 8..385		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226

Name	OJ990408_01.9A05.C2.o1.gs	Method	GENSCAN
Start	11	End	6128
GI	none	Score	.95
Exons	11..3897, 4123..4151, 4190..4955, 6057..6128		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o2.tm	Method	TBLASTX:Maize
Start	109	End	426
GI	none	Score	73
Exons	109..426, 114..296, 115..414, 155..415, 345..419		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o2.ts	Method	TBLASTX:Soybean
Start	343	End	603
GI	none	Score	153
Exons	343..603, 344..598		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o1.tc	Method	TBLASTX:Cress
Start	367	End	684
GI	none	Score	85
Exons	367..510, 368..508, 511..684		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o1.tw	Method	TBLASTX:Wheat
Start	391	End	969
GI	none	Score	338
Exons	391..969, 392..958		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o4.tm	Method	TBLASTX:Maize
Start	427	End	741
GI	none	Score	107
Exons	427..741, 428..631, 442..717		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o1.tm	Method	TBLASTX:Maize
Start	949	End	1312
GI	none	Score	150
Exons	949..1311, 958..1311, 962..1312		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o2.tw	Method	TBLASTX:Wheat

Start	970	End	1383
GI	none	Score	335
Exons	970..1383, 971..1351		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o3.ts	Method	TBLASTX:Soybean
Start	1132	End	1377
GI	none	Score	66
Exons	1132..1377, 1232..1360		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o3.tm	Method	TBLASTX:Maize
Start	1348	End	1848
GI	none	Score	50
Exons	1348..1662, 1391..1441, 1469..1522, 1669..1848, 1694..1840		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o5.tw	Method	TBLASTX:Wheat
Start	1384	End	1686
GI	none	Score	267
Exons	1384..1686, 1400..1684, 1605..1685		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o1.ts	Method	TBLASTX:Soybean
Start	1399	End	1794
GI	none	Score	199
Exons	1399..1758, 1400..1690, 1718..1756, 1762..1794, 1763..1792		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o3.tw	Method	TBLASTX:Wheat
Start	1735	End	2217
GI	none	Score	229
Exons	1735..2112, 1778..2113, 2167..2217		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o2.tc	Method	TBLASTX:Cress
Start	1771	End	2088
GI	none	Score	180
Exons	1771..2088		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o5.tm	Method	TBLASTX:Maize
Start	1916	End	2205

GI	none	Score	137
Exons	1916..2107, 1918..2109, 1918..2205		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o7.tw	Method	TBLASTX:Wheat
Start	2386	End	2754
GI	none	Score	69
Exons	2386..2499, 2387..2500, 2545..2754, 2546..2698		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o7.tm	Method	TBLASTX:Maize
Start	2437	End	2760
GI	none	Score	182
Exons	2437..2760		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o6.tw	Method	TBLASTX:Wheat
Start	3073	End	3424
GI	none	Score	112
Exons	3073..3423, 3230..3424		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o6.tm	Method	TBLASTX:Maize
Start	3118	End	3423
GI	none	Score	90
Exons	3118..3423, 3293..3409		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o2.np	Method	AAT/NAP
Start	3137	End	4954
GI	4512231	Score	140
Exons	3137..3174, 4386..4954		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o8.tw	Method	TBLASTX:Wheat
Start	3458	End	3717
GI	none	Score	117
Exons	3458..3655, 3460..3657, 3670..3717		

Seq. No.	35822	Seq. ID	OJ990408_01.9A05.C2
Gene No.	73832	Strand	-
Start	1	End	6226
Name	OJ990408_01.9A05.C2.o1.gp	Method	AAT/GAP
Start	5844	End	6226

GI	uC-osf1cyp033a04b1	Score	700
Exons	5844..6226		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35823	Seq. ID	OJ990408_01.9A05.C3
Gene No.	73833	Strand	+
Start	254	End	2012
Name	OJ990408_01.9A05.C3.o1.np	Method	AAT/NAP
Start	254	End	2012
GI	4680179	Score	2520
Exons	254..2012		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35823	Seq. ID	OJ990408_01.9A05.C3
Gene No.	73833	Strand	+
Start	254	End	2012
Name	OJ990408_01.9A05.C3.o1.gs	Method	GENSCAN
Start	278	End	1951
GI	none	Score	.78
Exons	278..1531, 1568..1951		

Seq. No.	35823	Seq. ID	OJ990408_01.9A05.C3
Gene No.	73833	Strand	+
Start	254	End	2012
Name	OJ990408_01.9A05.C3.o3.tm	Method	TBLASTX:Maize
Start	308	End	490
GI	none	Score	219
Exons	308..490, 340..483		

Seq. No.	35823	Seq. ID	OJ990408_01.9A05.C3
Gene No.	73833	Strand	+
Start	254	End	2012
Name	OJ990408_01.9A05.C3.o4.tw	Method	TBLASTX:Wheat
Start	308	End	490
GI	none	Score	259
Exons	308..490, 349..483		

Seq. No.	35823	Seq. ID	OJ990408_01.9A05.C3
Gene No.	73833	Strand	+
Start	254	End	2012
Name	OJ990408_01.9A05.C3.o2.tw	Method	TBLASTX:Wheat
Start	518	End	1057
GI	none	Score	629
Exons	518..1057, 700..1053		

Seq. No.	35823	Seq. ID	OJ990408_01.9A05.C3
Gene No.	73833	Strand	+
Start	254	End	2012
Name	OJ990408_01.9A05.C3.o1.tc	Method	TBLASTX:Cress
Start	755	End	1081
GI	none	Score	90
Exons	755..937, 938..1081, 949..1080		

Seq. No.	35823	Seq. ID	OJ990408_01.9A05.C3
Gene No.	73833	Strand	+
Start	254	End	2012

Name	OJ990408_01.9A05.C3.o1.ts	Method	TBLASTX:Soybean
Start	845	End	1105
GI	none	Score	295
Exons	845..1105, 856..1104		

Seq. No.	35823	Seq. ID	OJ990408_01.9A05.C3
Gene No.	73833	Strand	+
Start	254	End	2012
Name	OJ990408_01.9A05.C3.o2.tm	Method	TBLASTX:Maize
Start	903	End	1195
GI	none	Score	118
Exons	903..1190, 903..1106, 904..1191, 905..1195		

Seq. No.	35823	Seq. ID	OJ990408_01.9A05.C3
Gene No.	73833	Strand	+
Start	254	End	2012
Name	OJ990408_01.9A05.C3.o1.tw	Method	TBLASTX:Wheat
Start	1064	End	1690
GI	none	Score	712
Exons	1064..1690, 1123..1569		

Seq. No.	35823	Seq. ID	OJ990408_01.9A05.C3
Gene No.	73833	Strand	+
Start	254	End	2012
Name	OJ990408_01.9A05.C3.o1.tm	Method	TBLASTX:Maize
Start	1243	End	1828
GI	none	Score	229
Exons	1243..1398, 1244..1405, 1402..1566, 1403..1828, 1642..1827		

Seq. No.	35823	Seq. ID	OJ990408_01.9A05.C3
Gene No.	73833	Strand	+
Start	254	End	2012
Name	OJ990408_01.9A05.C3.o3.tw	Method	TBLASTX:Wheat
Start	1690	End	2002
GI	none	Score	315
Exons	1690..1971, 1691..1972, 1841..2002		

Seq. No.	35824	Seq. ID	OJ990408_01.9A05.C4
Gene No.	73834	Strand	-
Start	1	End	1074
Name	OJ990408_01.9A05.C4.o1.np	Method	AAT/NAP
Start	1	End	1074
GI	5852179	Score	256
Exons	1..36, 518..756, 829..1074		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	35824	Seq. ID	OJ990408_01.9A05.C4
Gene No.	73834	Strand	-
Start	1	End	1074
Name	OJ990408_01.9A05.C4.o1.gs	Method	GENSCAN
Start	236	End	948
GI	none	Score	.55
Exons	236..353, 518..948		

Seq. No.	35825	Seq. ID	OJ990408_01.9A05.C5
Gene No.	73835	Strand	-
Start	1710	End	1807

Name	OJ990408_01.9A05.C5.o1.gs	Method	GENSCAN
Start	1710	End	1807
GI	none	Score	.6
Exons	1710..1807		

Seq. No.	35826	Seq. ID	OJ990408_01.9A05.C6
Gene No.	73836	Strand	-
Start	632	End	1093
Name	OJ990408_01.9A05.C6.o1.gs	Method	GENSCAN
Start	632	End	1075
GI	none	Score	.96
Exons	632..1075		

Seq. No.	35826	Seq. ID	OJ990408_01.9A05.C6
Gene No.	73836	Strand	-
Start	632	End	1093
Name	OJ990408_01.9A05.C6.o1.np	Method	AAT/NAP
Start	635	End	1093
GI	4680179	Score	666
Exons	635..1093		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35826	Seq. ID	OJ990408_01.9A05.C6
Gene No.	73836	Strand	-
Start	632	End	1093
Name	OJ990408_01.9A05.C6.o1.tw	Method	TBLASTX:Wheat
Start	680	End	1093
GI	none	Score	81
Exons	680..1093, 701..862, 732..1082		

Seq. No.	35826	Seq. ID	OJ990408_01.9A05.C6
Gene No.	73836	Strand	-
Start	632	End	1093
Name	OJ990408_01.9A05.C6.o1.tm	Method	TBLASTX:Maize
Start	776	End	1036
GI	none	Score	140
Exons	776..1036, 795..1025		

Seq. No.	35827	Seq. ID	OJ990408_01.9A05.C7
Gene No.	73837	Strand	+
Start	1091	End	1299
Name	OJ990408_01.9A05.C7.o2.gp	Method	AAT/GAP
Start	1091	End	1299
GI	uC-osflcyp033a04b1	Score	364
Exons	1091..1299		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35827	Seq. ID	OJ990408_01.9A05.C7
Gene No.	73838	Strand	-
Start	1	End	346
Name	OJ990408_01.9A05.C7.o1.np	Method	AAT/NAP
Start	1	End	346
GI	5852180	Score	287
Exons	1..171, 223..346		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	35827	Seq. ID	OJ990408_01.9A05.C7
Gene No.	73839	Strand	-
Start	1024	End	1393
Name	OJ990408_01.9A05.C7.o2.np	Method	AAT/NAP
Start	1024	End	1393
GI	4680186	Score	330
Exons	1024..1224, 1377..1393		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35828	Seq. ID	OJ990408_01.9A05.C8
Gene No.	73840	Strand	+
Start	75	End	160
Name	OJ990408_01.9A05.C8.o1.gs	Method	GENSCAN
Start	75	End	160
GI	none	Score	.8
Exons	75..160		

Seq. No.	35829	Seq. ID	OJ990408_01.9A05.C9
Gene No.	73841	Strand	+
Start	572	End	1362
Name	OJ990408_01.9A05.C9.o1.gs	Method	GENSCAN
Start	572	End	1360
GI	none	Score	.93
Exons	572..1360		

Seq. No.	35829	Seq. ID	OJ990408_01.9A05.C9
Gene No.	73841	Strand	+
Start	572	End	1362
Name	OJ990408_01.9A05.C9.o1.np	Method	AAT/NAP
Start	572	End	1362
GI	4512231	Score	1257
Exons	572..1362		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	35830	Seq. ID	OJ990408_01.9A05.C10
Gene No.	73842	Strand	+
Start	1	End	249
Name	OJ990408_01.9A05.C10.o1.np	Method	AAT/NAP
Start	1	End	249
GI	4512231	Score	315
Exons	1..249		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	35830	Seq. ID	OJ990408_01.9A05.C10
Gene No.	73842	Strand	+
Start	1	End	249
Name	OJ990408_01.9A05.C10.o1.gs	Method	GENSCAN
Start	74	End	247
GI	none	Score	.98
Exons	74..247		

Seq. No.	35830	Seq. ID	OJ990408_01.9A05.C10
Gene No.	73843	Strand	+
Start	525	End	1770
Name	OJ990408_01.9A05.C10.o2.np	Method	AAT/NAP
Start	481	End	1770
GI	4680179	Score	987

Exons	481..1770		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	35830	Seq. ID	OJ990408_01.9A05.C10
Gene No.	73843	Strand	+
Start	525	End	1770
Name	OJ990408_01.9A05.C10.o2.gs	Method	GENSCAN
Start	525	End	1541
GI	none	Score	.95
Exons	525..1541		
Seq. No.	35830	Seq. ID	OJ990408_01.9A05.C10
Gene No.	73843	Strand	+
Start	525	End	1770
Name	OJ990408_01.9A05.C10.o2.tw	Method	TBLASTX:Wheat
Start	692	End	890
GI	none	Score	214
Exons	692..889, 693..890		
Seq. No.	35830	Seq. ID	OJ990408_01.9A05.C10
Gene No.	73843	Strand	+
Start	525	End	1770
Name	OJ990408_01.9A05.C10.o1.tm	Method	TBLASTX:Maize
Start	942	End	1247
GI	none	Score	243
Exons	942..1247		
Seq. No.	35830	Seq. ID	OJ990408_01.9A05.C10
Gene No.	73843	Strand	+
Start	525	End	1770
Name	OJ990408_01.9A05.C10.o1.tw	Method	TBLASTX:Wheat
Start	942	End	1292
GI	none	Score	319
Exons	942..1292, 1032..1136		
Seq. No.	35830	Seq. ID	OJ990408_01.9A05.C10
Gene No.	73843	Strand	+
Start	525	End	1770
Name	OJ990408_01.9A05.C10.o3.tw	Method	TBLASTX:Wheat
Start	1458	End	1709
GI	none	Score	66
Exons	1458..1517, 1475..1513, 1566..1709, 1625..1708		
Seq. No.	35831	Seq. ID	OJ990408_01.9A05.C13
Gene No.	73844	Strand	+
Start	1	End	1047
Name	OJ990408_01.9A05.C13.o1.np	Method	AAT/NAP
Start	1	End	1047
GI	2586082	Score	1326
Exons	1..1047		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		
Seq. No.	35831	Seq. ID	OJ990408_01.9A05.C13
Gene No.	73844	Strand	+
Start	1	End	1047
Name	OJ990408_01.9A05.C13.o1.tc	Method	TBLASTX:Cress
Start	2	End	262

GI	none	Score	292
Exons	2..262, 7..261		

Seq. No.	35831	Seq. ID	OJ990408_01.9A05.C13
Gene No.	73844	Strand	+
Start	1	End	1047
Name	OJ990408_01.9A05.C13.o1.ts	Method	TBLASTX:Soybean
Start	2	End	373
GI	5509260	Score	241
Exons	2..274, 13..162, 202..273, 277..345, 278..373		
GI Descrip.	-		

Seq. No.	35831	Seq. ID	OJ990408_01.9A05.C13
Gene No.	73844	Strand	+
Start	1	End	1047
Name	OJ990408_01.9A05.C13.o2.tw	Method	TBLASTX:Wheat
Start	44	End	382
GI	none	Score	222
Exons	44..271, 61..138, 196..267, 290..382		

Seq. No.	35831	Seq. ID	OJ990408_01.9A05.C13
Gene No.	73844	Strand	+
Start	1	End	1047
Name	OJ990408_01.9A05.C13.o2.tm	Method	TBLASTX:Maize
Start	176	End	583
GI	none	Score	109
Exons	176..271, 287..583		

Seq. No.	35831	Seq. ID	OJ990408_01.9A05.C13
Gene No.	73844	Strand	+
Start	1	End	1047
Name	OJ990408_01.9A05.C13.o1.tw	Method	TBLASTX:Wheat
Start	551	End	988
GI	none	Score	447
Exons	551..988, 613..987		

Seq. No.	35831	Seq. ID	OJ990408_01.9A05.C13
Gene No.	73844	Strand	+
Start	1	End	1047
Name	OJ990408_01.9A05.C13.o1.tm	Method	TBLASTX:Maize
Start	593	End	1045
GI	none	Score	96
Exons	593..742, 731..1045		

Seq. No.	35831	Seq. ID	OJ990408_01.9A05.C13
Gene No.	73844	Strand	+
Start	1	End	1047
Name	OJ990408_01.9A05.C13.o2.ts	Method	TBLASTX:Soybean
Start	731	End	1045
GI	none	Score	290
Exons	731..1045, 832..909		

Seq. No.	35832	Seq. ID	OJ990408_01.9A05.C14
Gene No.	73845	Strand	+
Start	433	End	1633
Name	OJ990408_01.9A05.C14.o1.gs	Method	GENSCAN
Start	433	End	1633

GI	none	Score	.6
Exons	433..549, 1613..1633		

Seq. No.	35832	Seq. ID	OJ990408_01.9A05.C14
Gene No.	73846	Strand	-
Start	1696	End	1970
Name	OJ990408_01.9A05.C14.o2.gs	Method	GENSCAN
Start	1696	End	1970
GI	none	Score	.71
Exons	1696..1970		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73847	Strand	+
Start	1	End	9046
Name	OJ990408_01.9A05.C15.o3.np	Method	AAT/NAP
Start	1	End	9046
GI	5852180	Score	341
Exons	1..121, 7542..7627, 8673..9046		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73847	Strand	+
Start	1	End	9046
Name	OJ990408_01.9A05.C15.o1.gs	Method	GENSCAN
Start	193	End	427
GI	none	Score	.98
Exons	193..427		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73847	Strand	+
Start	1	End	9046
Name	OJ990408_01.9A05.C15.o2.gp	Method	AAT/GAP
Start	1199	End	1631
GI	2428185	Score	564
Exons	1199..1631		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73847	Strand	+
Start	1	End	9046
Name	OJ990408_01.9A05.C15.o3.gp	Method	AAT/GAP
Start	2162	End	2436
GI	61605_1.R1084	Score	464
Exons	2162..2436		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73848	Strand	+
Start	9803	End	10654
Name	OJ990408_01.9A05.C15.o4.np	Method	AAT/NAP
Start	9803	End	10654
GI	4680179	Score	1323
Exons	9803..10654		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o1.np	Method	AAT/NAP
Start	30	End	6041
GI	4680179	Score	3385
Exons	30..51, 2437..4399, 4427..5376, 5938..6041		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o1.tm	Method	TBLASTX:Maize
Start	2576	End	2929
GI	none	Score	49
Exons	2576..2929, 2583..2615, 2591..2923, 2661..2924		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o1.tw	Method	TBLASTX:Wheat
Start	2576	End	3002
GI	none	Score	245
Exons	2576..2926, 2576..3001, 2583..3002		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o3.ts	Method	TBLASTX:Soybean
Start	2747	End	2995
GI	none	Score	207
Exons	2747..2995		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o4.tm	Method	TBLASTX:Maize
Start	2931	End	3268
GI	none	Score	144
Exons	2931..3191, 2936..3268		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o2.gs	Method	GENSCAN
Start	2984	End	5440
GI	none	Score	.65
Exons	2984..3564, 3868..4134, 4321..5440		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o5.tw	Method	TBLASTX:Wheat
Start	3003	End	3277
GI	none	Score	233
Exons	3003..3257, 3005..3277, 3005..3265		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o1.ts	Method	TBLASTX:Soybean
Start	3017	End	3412
GI	none	Score	166
Exons	3017..3268, 3027..3257, 3074..3271, 3231..3374, 3296..3376, 3380..3412, 3380..3412		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o3.tm	Method	TBLASTX:Maize
Start	3323	End	3766
GI	none	Score	131
Exons	3323..3766, 3332..3694		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o3.tw	Method	TBLASTX:Wheat
Start	3353	End	3839
GI	none	Score	206
Exons	3353..3835, 3395..3832, 3546..3839		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o4.ts	Method	TBLASTX:Soybean
Start	3485	End	3799
GI	none	Score	185
Exons	3485..3799		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o8.tm	Method	TBLASTX:Maize
Start	3767	End	3964
GI	none	Score	125
Exons	3767..3964, 3768..3917		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o7.tw	Method	TBLASTX:Wheat
Start	3968	End	4321
GI	none	Score	63
Exons	3968..4321, 4011..4145		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o7.tm	Method	TBLASTX:Maize
Start	4055	End	4375
GI	none	Score	187
Exons	4055..4375		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o6.tw	Method	TBLASTX:Wheat
Start	4676	End	5021
GI	none	Score	63
Exons	4676..5020, 4890..5021		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o6.tm	Method	TBLASTX:Maize
Start	4721	End	5020
GI	none	Score	47
Exons	4721..5020, 4722..4802, 4864..4902, 4890..4997		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o8.tw	Method	TBLASTX:Wheat
Start	5072	End	5254
GI	none	Score	130
Exons	5072..5254, 5073..5252		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o3.gs	Method	GENSCAN
Start	5726	End	10160
GI	none	Score	.8
Exons	5726..6490, 8827..9067, 10002..10160		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o2.np	Method	AAT/NAP
Start	5729	End	6490
GI	4512229	Score	1207
Exons	5729..6490		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o2.tw	Method	TBLASTX:Wheat
Start	9803	End	10246
GI	none	Score	569
Exons	9803..10246, 9889..10242, 10016..10246		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o5.tm	Method	TBLASTX:Maize
Start	9890	End	10210
GI	none	Score	271
Exons	9890..10210, 10001..10195, 10006..10209		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o1.tc	Method	TBLASTX:Cress
Start	9901	End	10270
GI	none	Score	90
Exons	9901..10116, 9944..10126, 10127..10270, 10129..10269		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73849	Strand	-
Start	30	End	10294
Name	OJ990408_01.9A05.C15.o2.ts	Method	TBLASTX:Soybean
Start	10034	End	10294
GI	none	Score	301
Exons	10034..10294, 10045..10293		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73850	Strand	
Start	10211	End	10639
Name	OJ990408_01.9A05.C15.o2.tm	Method	TBLASTX:Maize
Start	10211	End	10528
GI	none	Score	449
Exons	10211..10528, 10222..10524		

Seq. No.	35833	Seq. ID	OJ990408_01.9A05.C15
Gene No.	73850	Strand	
Start	10211	End	10639
Name	OJ990408_01.9A05.C15.o4.tw	Method	TBLASTX:Wheat
Start	10253	End	10639
GI	none	Score	496
Exons	10253..10639, 10253..10513, 10258..10632		

Seq. No.	35834	Seq. ID	OJ990408_01.9A05.C16
Gene No.	73851	Strand	-
Start	1	End	132
Name	OJ990408_01.9A05.C16.o1.np	Method	AAT/NAP
Start	1	End	132
GI	5852175	Score	81
Exons	1..132		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73852	Strand	+
Start	557	End	887
Name	OJ990408_01.9A05.C17:o1.gs	Method	GENSCAN
Start	557	End	887
GI	none	Score	.9
Exons	557..887		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73853	Strand	+
Start	1340	End	7989
Name	OJ990408_01.9A05.C17.o1.np	Method	AAT/NAP
Start	1340	End	7989
GI	6539553	Score	2850
Exons	1340..1365, 2614..2705, 3044..4710, 7970..7989		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1		

(D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73853	Strand	+
Start	1340	End	7989
Name	OJ990408_01.9A05.C17.o1.gp	Method	AAT/GAP
Start	1538	End	1727
GI	uC-osflcyp033a04b1	Score	294
Exons	1538..1727		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73854	Strand	+
Start	8489	End	17474
Name	OJ990408_01.9A05.C17.o3.gs	Method	GENSCAN
Start	8489	End	17474
GI	none	Score	.59
Exons	8489..8606, 9021..9134, 9228..9308, 9350..9463, 10978..11014, 11697..11790, 11829..12492, 12733..14296, 14499..16321, 17141..17260, 17353..17474		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73854	Strand	+
Start	8489	End	17474
Name	OJ990408_01.9A05.C17.o3.np	Method	AAT/NAP
Start	11694	End	16335
GI	4680179	Score	6552
Exons	11694..14498, 14566..16335		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73855	Strand	-
Start	4697	End	9791
Name	OJ990408_01.9A05.C17.o2.np	Method	AAT/NAP
Start	4697	End	9791
GI	5922631	Score	1533
Exons	4697..5647, 6254..7147, 7268..7441, 7484..7862, 8575..8740, 9765..9791		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o12.tw	Method	TBLASTX:Wheat
Start	896	End	13961
GI	none	Score	249
Exons	896..988, 5633..5779, 13797..13961, 13799..13915, 13818..13934, 13843..13944		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o4.tm	Method	TBLASTX:Maize
Start	3665	End	3987
GI	none	Score	259
Exons	3665..3916, 3672..3986, 3673..3984, 3685..3987, 3692..3985		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o4.ts	Method	TBLASTX:Soybean
Start	4014	End	4400
GI	none	Score	80
Exons	4014..4169, 4152..4400		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o7.tm	Method	TBLASTX:Maize
Start	4188	End	4622
GI	none	Score	290
Exons	4188..4622, 4397..4588		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o5.tw	Method	TBLASTX:Wheat
Start	4265	End	4661
GI	none	Score	336
Exons	4265..4336, 4266..4514, 4269..4499, 4476..4661, 4488..4661		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o3.ts	Method	TBLASTX:Soybean
Start	4410	End	4709
GI	none	Score	180
Exons	4410..4634, 4418..4588, 4419..4619, 4635..4709		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o10.tw	Method	TBLASTX:Wheat
Start	4704	End	5096
GI	none	Score	46
Exons	4704..4856, 4750..4812, 4870..5043, 4872..5096		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o4.tw	Method	TBLASTX:Wheat
Start	5211	End	14363
GI	none	Score	530
Exons	5211..5342, 5330..5608, 13962..14363, 13962..14360, 14000..14362		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o3.tm	Method	TBLASTX:Maize
Start	5247	End	14507
GI	none	Score	406
Exons	5247..5342, 5339..5587, 13983..14507, 13997..14254, 14300..14401		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o1.ts	Method	TBLASTX:Soybean
Start	5339	End	14250
GI	none	Score	57
Exons	5339..5695, 13854..13886, 13854..13886, 13890..14249, 13893..13967, 13897..14250, 13897..14031, 14006..14248		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o2.tm	Method	TBLASTX:Maize
Start	5750	End	13808
GI	none	Score	225
Exons	5750..6106, 5760..6044, 5801..6052, 13563..13808		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o3.tw	Method	TBLASTX:Wheat
Start	5780	End	13793
GI	none	Score	385
Exons	5780..6235, 5781..6236, 13563..13793		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o5.ts	Method	TBLASTX:Soybean
Start	5831	End	13742
GI	none	Score	110
Exons	5831..5965, 5972..6196, 13608..13742		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o8.tw	Method	TBLASTX:Wheat
Start	6428	End	6883
GI	none	Score	81
Exons	6428..6664, 6701..6883, 6759..6875		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o13.tw	Method	TBLASTX:Wheat
Start	7552	End	7872
GI	none	Score	97
Exons	7552..7755, 7595..7750, 7714..7827, 7724..7816, 7828..7872		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o11.tm	Method	TBLASTX:Maize
Start	7594	End	7849
GI	none	Score	103
Exons	7594..7833, 7595..7849		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o9.tw	Method	TBLASTX:Wheat
Start	11963	End	12326
GI	none	Score	286
Exons	11963..12067, 11967..12326, 11973..12242, 12092..12325		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o9.tm	Method	TBLASTX:Maize
Start	12207	End	12503
GI	none	Score	202
Exons	12207..12503, 12221..12394		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o8.tm	Method	TBLASTX:Maize
Start	12849	End	13169
GI	none	Score	204
Exons	12849..13169		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o11.tw	Method	TBLASTX:Wheat
Start	12902	End	13256
GI	none	Score	266
Exons	12902..12997, 12903..13256, 13086..13220		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o6.tw	Method	TBLASTX:Wheat
Start	14364	End	14773
GI	none	Score	236
Exons	14364..14510, 14369..14512, 14381..14515, 14382..14513, 14512..14751, 14515..14757, 14528..14773		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o6.tm	Method	TBLASTX:Maize
Start	14515	End	14757
GI	none	Score	340
Exons	14515..14757, 14517..14672		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o2.tw	Method	TBLASTX:Wheat
Start	14797	End	15324
GI	none	Score	585
Exons	14797..15324, 14863..15276, 14940..15323		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o2.ts	Method	TBLASTX:Soybean
Start	15112	End	15372
GI	none	Score	289
Exons	15112..15372, 15117..15218, 15270..15371		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o5.tm	Method	TBLASTX:Maize
Start	15170	End	15462
GI	none	Score	386
Exons	15170..15361, 15172..15462, 15241..15459		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o1.tw	Method	TBLASTX:Wheat
Start	15331	End	15957
GI	none	Score	708
Exons	15331..15957, 15387..15956		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o1.tm	Method	TBLASTX:Maize
Start	15511	End	16098
GI	none	Score	217
Exons	15511..15672, 15519..15665, 15670..16098, 15672..15968, 15999..16097		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o7.tw	Method	TBLASTX:Wheat
Start	15957	End	16290
GI	none	Score	357
Exons	15957..16094, 15958..16290		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o10.tm	Method	TBLASTX:Maize
Start	16099	End	16311
GI	none	Score	196
Exons	16099..16311		

Seq. No.	35835	Seq. ID	OJ990408_01.9A05.C17
Gene No.	73856	Strand	-
Start	16613	End	18328
Name	OJ990408_01.9A05.C17.o4.np	Method	AAT/NAP
Start	16613	End	18328
GI	5295955	Score	693
Exons	16613..16715, 16744..17618, 18299..18328		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	35836	Seq. ID	OJ990408_01.9A05.C18
Gene No.	73857	Strand	-
Start	1	End	1041
Name	OJ990408_01.9A05.C18.o1.np	Method	AAT/NAP
Start	1	End	1041
GI	4680179	Score	534
Exons	1..34, 663..1041		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35836	Seq. ID	OJ990408_01.9A05.C18
Gene No.	73857	Strand	-
Start	1	End	1041
Name	OJ990408_01.9A05.C18.o1.gs	Method	GENSCAN
Start	325	End	960
GI	none	Score	.67
Exons	325..521, 912..960		

Seq. No.	35836	Seq. ID	OJ990408_01.9A05.C18
Gene No.	73857	Strand	-
Start	1	End	1041
Name	OJ990408_01.9A05.C18.o1.ts	Method	TBLASTX:Soybean
Start	649	End	906
GI	none	Score	198
Exons	649..906		

Seq. No.	35836	Seq. ID	OJ990408_01.9A05.C18
Gene No.	73857	Strand	-
Start	1	End	1041
Name	OJ990408_01.9A05.C18.o1.tm	Method	TBLASTX:Maize
Start	658	End	1032
GI	none	Score	90
Exons	658..1032, 664..825, 674..979, 892..990		

Seq. No.	35836	Seq. ID	OJ990408_01.9A05.C18
Gene No.	73857	Strand	-
Start	1	End	1041
Name	OJ990408_01.9A05.C18.o1.tw	Method	TBLASTX:Wheat
Start	724	End	1035
GI	none	Score	232
Exons	724..1035, 725..1033, 886..1035		

Seq. No.	35837	Seq. ID	OJ990408_01.9A05.C20
Gene No.	73858	Strand	+
Start	1	End	1288
Name	OJ990408_01.9A05.C20.o1.gp	Method	AAT/GAP
Start	1	End	1288
GI	342_1.R1084	Score	2343

Exons	1..1288		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	35837	Seq. ID	OJ990408_01.9A05.C20
Gene No.	73858	Strand	+
Start	1	End	1288
Name	OJ990408_01.9A05.C20.o1.np	Method	AAT/NAP
Start	1	End	1288
GI	4680203	Score	1742
Exons	1..1288		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	35837	Seq. ID	OJ990408_01.9A05.C20
Gene No.	73858	Strand	+
Start	1	End	1288
Name	OJ990408_01.9A05.C20.o2.tw	Method	TBLASTX:Wheat
Start	3	End	296
GI	none	Score	49
Exons	3..71, 30..281, 38..280, 39..296, 41..283		
Seq. No.	35837	Seq. ID	OJ990408_01.9A05.C20
Gene No.	73858	Strand	+
Start	1	End	1288
Name	OJ990408_01.9A05.C20.o1.gs	Method	GENSCAN
Start	15	End	1259
GI	none	Score	.55
Exons	15..1259		
Seq. No.	35837	Seq. ID	OJ990408_01.9A05.C20
Gene No.	73858	Strand	+
Start	1	End	1288
Name	OJ990408_01.9A05.C20.o1.ts	Method	TBLASTX:Soybean
Start	212	End	641
GI	none	Score	98
Exons	212..295, 213..287, 288..350, 345..641, 399..623		
Seq. No.	35837	Seq. ID	OJ990408_01.9A05.C20
Gene No.	73858	Strand	+
Start	1	End	1288
Name	OJ990408_01.9A05.C20.o1.tc	Method	TBLASTX:Cress
Start	374	End	722
GI	none	Score	309
Exons	374..526, 381..722, 566..703		
Seq. No.	35837	Seq. ID	OJ990408_01.9A05.C20
Gene No.	73858	Strand	+
Start	1	End	1288
Name	OJ990408_01.9A05.C20.o1.tw	Method	TBLASTX:Wheat
Start	510	End	979
GI	none	Score	64
Exons	510..563, 521..562, 564..668, 575..664, 672..770, 677..769, 750..974, 770..979, 773..979		
Seq. No.	35837	Seq. ID	OJ990408_01.9A05.C20
Gene No.	73858	Strand	+
Start	1	End	1288

Name	OJ990408_01.9A05.C20.o1.tm	Method	TBLASTX:Maize
Start	555	End	1013
GI	none	Score	247
Exons	555..809, 567..809, 819..1013		

Seq. No.	35837	Seq. ID	OJ990408_01.9A05.C20
Gene No.	73858	Strand	+
Start	1	End	1288
Name	OJ990408_01.9A05.C20.o2.ts	Method	TBLASTX:Soybean
Start	843	End	1085
GI	none	Score	216
Exons	843..1085, 929..1027		

Seq. No.	35837	Seq. ID	OJ990408_01.9A05.C20
Gene No.	73858	Strand	+
Start	1	End	1288
Name	OJ990408_01.9A05.C20.o3.tw	Method	TBLASTX:Wheat
Start	1074	End	1287
GI	none	Score	106
Exons	1074..1196, 1076..1219, 1193..1285, 1194..1286, 1198..1287, 1206..1286		

Seq. No.	35838	Seq. ID	OJ990408_01.9A05.C22
Gene No.	73859	Strand	+
Start	1	End	662
Name	OJ990408_01.9A05.C22.o1.np	Method	AAT/NAP
Start	1	End	659
GI	4680179	Score	946
Exons	1..659		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35838	Seq. ID	OJ990408_01.9A05.C22
Gene No.	73859	Strand	+
Start	1	End	662
Name	OJ990408_01.9A05.C22.o1.tm	Method	TBLASTX:Maize
Start	3	End	419
GI	none	Score	467
Exons	3..419, 8..166, 153..404, 221..418		

Seq. No.	35838	Seq. ID	OJ990408_01.9A05.C22
Gene No.	73859	Strand	+
Start	1	End	662
Name	OJ990408_01.9A05.C22.o2.tw	Method	TBLASTX:Wheat
Start	8	End	188
GI	none	Score	47
Exons	8..184, 11..49, 12..188		

Seq. No.	35838	Seq. ID	OJ990408_01.9A05.C22
Gene No.	73859	Strand	+
Start	1	End	662
Name	OJ990408_01.9A05.C22.o1.gs	Method	GENSCAN
Start	9	End	662
GI	none	Score	1
Exons	9..662		

Seq. No.	35838	Seq. ID	OJ990408_01.9A05.C22
Gene No.	73859	Strand	+

Start	1	End	662
Name	OJ990408_01.9A05.C22.o1.tw	Method	TBLASTX:Wheat
Start	192	End	614
GI	none	Score	402
Exons	192..614, 213..398, 227..562,	432..593	

Seq. No.	35839	Seq. ID	OJ990408_01.9A05.C25
Gene No.	73860	Strand	+
Start	1	End	1342
Name	OJ990408_01.9A05.C25.o1.np	Method	AAT/NAP
Start	1	End	1342
GI	6498441	Score	876
Exons	1..60, 412..1342		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	35839	Seq. ID	OJ990408_01.9A05.C25
Gene No.	73860	Strand	+
Start	1	End	1342
Name	OJ990408_01.9A05.C25.o1.gs	Method	GENSCAN
Start	648	End	1225
GI	none	Score	.95
Exons	648..793, 799..1225		

Seq. No.	35839	Seq. ID	OJ990408_01.9A05.C25
Gene No.	73861	Strand	+
Start	7149	End	10158
Name	OJ990408_01.9A05.C25.o3.np	Method	AAT/NAP
Start	7149	End	10158
GI	119714	Score	154
Exons	7149..7174, 9022..10158		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi\|82169\|pir\|\|S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi\|19867\|emb\|CAA32090\| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	35839	Seq. ID	OJ990408_01.9A05.C25
Gene No.	73862	Strand	+
Start	12804	End	13517
Name	OJ990408_01.9A05.C25.o3.gs	Method	GENSCAN
Start	12804	End	13517
GI	none	Score	.5
Exons	12804..13159, 13400..13517		

Seq. No.	35839	Seq. ID	OJ990408_01.9A05.C25
Gene No.	73863	Strand	-
Start	2073	End	2641
Name	OJ990408_01.9A05.C25.o1.gp	Method	AAT/GAP
Start	2073	End	2641
GI	4879016	Score	828
Exons	2073..2641		
GI Descrip.	6041757/gb\|AC011806.1\|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	35839	Seq. ID	OJ990408_01.9A05.C25

Gene No.	73864	Strand	-
Start	8957	End	9980
Name	OJ990408_01.9A05.C25.o2.np	Method	AAT/NAP
Start	8957	End	9980
GI	6907106	Score	283
Exons	8957..9126, 9204..9447, 9511..9980		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35839	Seq. ID	OJ990408_01.9A05.C25
Gene No.	73865	Strand	-
Start	11603	End	15931
Name	OJ990408_01.9A05.C25.o1.tw	Method	TBLASTX:Wheat
Start	965	End	1342
GI	none	Score	230
Exons	965..1342, 1096..1278		

Seq. No.	35839	Seq. ID	OJ990408_01.9A05.C25
Gene No.	73865	Strand	-
Start	11603	End	15931
Name	OJ990408_01.9A05.C25.o1.tm	Method	TBLASTX:Maize
Start	1067	End	1342
GI	none	Score	250
Exons	1067..1342, 1096..1341		

Seq. No.	35839	Seq. ID	OJ990408_01.9A05.C25
Gene No.	73865	Strand	-
Start	11603	End	15931
Name	OJ990408_01.9A05.C25.o2.tm	Method	TBLASTX:Maize
Start	9055	End	9453
GI	none	Score	59
Exons	9055..9105, 9058..9102, 9064..9111, 9132..9203, 9161..9241, 9161..9217, 9176..9280, 9195..9281, 9204..9281, 9209..9274, 9255..9320, 9281..9331, 9306..9341, 9325..9453, 9326..9400, 9331..9417		

Seq. No.	35839	Seq. ID	OJ990408_01.9A05.C25
Gene No.	73865	Strand	-
Start	11603	End	15931
Name	OJ990408_01.9A05.C25.o4.np	Method	AAT/NAP
Start	11603	End	15931
GI	6063554	Score	196
Exons	11603..11775, 12858..12893, 12961..13155, 13294..13481, 15900..15931		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35840	Seq. ID	OJ990408_01.9A05.C26
Gene No.	73866	Strand	+
Start	570	End	2135
Name	OJ990408_01.9A05.C26.o1.np	Method	AAT/NAP
Start	570	End	2135
GI	6063554	Score	160
Exons	570..754, 853..915, 1961..2135		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	35840	Seq. ID	OJ990408_01.9A05.C26
Gene No.	73867	Strand	-
Start	3639	End	3696
Name	OJ990408_01.9A05.C26.o1.gp	Method	AAT/GAP
Start	3639	End	3696
GI	2800484	Score	64
Exons	3639..3696		
GI Descrip.	5803242/dbj\|AP000399.1\|AP000399 7.0e-10 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	35841	Seq. ID	OJ990408_01.9A05.C27
Gene No.	73868	Strand	+
Start	1021	End	2277
Name	OJ990408_01.9A05.C27.o1.gs	Method	GENSCAN
Start	1021	End	2277
GI	none	Score	.57
Exons	1021..1209, 1509..1639, 1996..2277		

Seq. No.	35841	Seq. ID	OJ990408_01.9A05.C27
Gene No.	73869	Strand	-
Start	369	End	426
Name	OJ990408_01.9A05.C27.o1.gp	Method	AAT/GAP
Start	369	End	426
GI	2800484	Score	67
Exons	369..426		
GI Descrip.	5803242/dbj\|AP000399.1\|AP000399 7.0e-10 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	35841	Seq. ID	OJ990408_01.9A05.C27
Gene No.	73870	Strand	-
Start	3507	End	3614
Name	OJ990408_01.9A05.C27.o2.gs	Method	GENSCAN
Start	3507	End	3614
GI	none	Score	.61
Exons	3507..3614		

Seq. No.	35842	Seq. ID	OJ990408_01.9A05.C28
Gene No.	73871	Strand	+
Start	79	End	493
Name	OJ990408_01.9A05.C28.o1.gs	Method	GENSCAN
Start	79	End	493
GI	none	Score	.73
Exons	79..493		

Seq. No.	35842	Seq. ID	OJ990408_01.9A05.C28
Gene No.	73872	Strand	-
Start	1	End	579
Name	OJ990408_01.9A05.C28.o1.gp	Method	AAT/GAP
Start	1	End	579
GI	342_1.R1084	Score	1004
Exons	1..579		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	35842	Seq. ID	OJ990408_01.9A05.C28

Gene No.	73872	Strand	-
Start	1	End	579
Name	OJ990408_01.9A05.C28.o1.np	Method	AAT/NAP
Start	1	End	579
GI	4680203	Score	536
Exons	1..579		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	35842	Seq. ID	OJ990408_01.9A05.C28
Gene No.	73872	Strand	-
Start	1	End	579
Name	OJ990408_01.9A05.C28.o1.tw	Method	TBLASTX:Wheat
Start	54	End	577
GI	none	Score	131
Exons	54..134, 62..202, 63..203, 150..245, 182..241, 248..292, 253..288, 287..577, 302..562		

Seq. No.	35843	Seq. ID	OJ990408_01.9A05.C29
Gene No.	73873	Strand	+
Start	1	End	606
Name	OJ990408_01.9A05.C29.o1.np	Method	AAT/NAP
Start	1	End	606
GI	4680179	Score	464
Exons	1..606		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35843	Seq. ID	OJ990408_01.9A05.C29
Gene No.	73873	Strand	+
Start	1	End	606
Name	OJ990408_01.9A05.C29.o1.tw	Method	TBLASTX:Wheat
Start	80	End	438
GI	none	Score	48
Exons	80..256, 87..281, 88..438		

Seq. No.	35843	Seq. ID	OJ990408_01.9A05.C29
Gene No.	73873	Strand	+
Start	1	End	606
Name	OJ990408_01.9A05.C29.o1.tm	Method	TBLASTX:Maize
Start	88	End	393
GI	none	Score	232
Exons	88..393, 102..218		

Seq. No.	35843	Seq. ID	OJ990408_01.9A05.C29
Gene No.	73873	Strand	+
Start	1	End	606
Name	OJ990408_01.9A05.C29.o1.gs	Method	GENSCAN
Start	99	End	521
GI	none	Score	.64
Exons	99..521		

Seq. No.	35844	Seq. ID	OJ990408_01.9A05.C30
Gene No.	73874	Strand	+
Start	1	End	349
Name	OJ990408_01.9A05.C30.o1.np	Method	AAT/NAP
Start	1	End	349
GI	6742729	Score	306
Exons	1..349		

GI Descrip. (AF121139) RIM2 protein [Oryza sativa]

Seq. No.	35844	Seq. ID	OJ990408_01.9A05.C30
Gene No.	73874	Strand	+
Start	1	End	349
Name	OJ990408_01.9A05.C30.o1.tm	Method	TBLASTX:Maize
Start	112	End	349
GI	none	Score	213
Exons	112..348, 113..349		

Seq. No.	35844	Seq. ID	OJ990408_01.9A05.C30
Gene No.	73874	Strand	+
Start	1	End	349
Name	OJ990408_01.9A05.C30.o1.tw	Method	TBLASTX:Wheat
Start	113	End	349
GI	none	Score	238
Exons	113..349, 113..247, 115..348		

Seq. No.	35844	Seq. ID	OJ990408_01.9A05.C30
Gene No.	73874	Strand	+
Start	1	End	349
Name	OJ990408_01.9A05.C30.o1.gs	Method	GENSCAN
Start	149	End	283
GI	none	Score	.44
Exons	149..283		

Seq. No.	35845	Seq. ID	OJ990408_01.9A05.C31
Gene No.	73875	Strand	+
Start	1978	End	2829
Name	OJ990408_01.9A05.C31.o1.gs	Method	GENSCAN
Start	1978	End	2829
GI	none	Score	.74
Exons	1978..2568, 2647..2829		

Seq. No.	35845	Seq. ID	OJ990408_01.9A05.C31
Gene No.	73876	Strand	+
Start	3254	End	4008
Name	OJ990408_01.9A05.C31.o2.gs	Method	GENSCAN
Start	3254	End	4008
GI	none	Score	.57
Exons	3254..4008		

Seq. No.	35846	Seq. ID	OJ990408_01.9A05.C32
Gene No.	73877	Strand	+
Start	158	End	783
Name	OJ990408_01.9A05.C32.o1.gs	Method	GENSCAN
Start	158	End	783
GI	none	Score	.46
Exons	158..307, 745..783		

Seq. No.	35846	Seq. ID	OJ990408_01.9A05.C32
Gene No.	73877	Strand	+
Start	158	End	783
Name	OJ990408_01.9A05.C32.o1.gp	Method	AAT/GAP
Start	177	End	644
GI	LIB3431-001-P1-N1-B5	Score	621
Exons	177..307, 413..644		

GI Descrip.	'4680203/gb\|AAD27566.1\|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	35847	Seq. ID	OJ990408_01.9A05.C33
Gene No.	73878	Strand	+
Start	1	End	4376
Name	OJ990408_01.9A05.C33.o1.np	Method	AAT/NAP
Start	1	End	4376
GI	6063554	Score	174
Exons	1..24, 2459..2698, 2805..3050, 4204..4376		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	35847	Seq. ID	OJ990408_01.9A05.C33
Gene No.	73879	Strand	+
Start	5453	End	6541
Name	OJ990408_01.9A05.C33.o2.gs	Method	GENSCAN
Start	5453	End	6541
GI	none	Score	.49
Exons	5453..6360, 6394..6541		
Seq. No.	35847	Seq. ID	OJ990408_01.9A05.C33
Gene No.	73880	Strand	-
Start	3601	End	5319
Name	OJ990408_01.9A05.C33.o2.np	Method	AAT/NAP
Start	3601	End	5319
GI	6721512	Score	68
Exons	3601..3624, 5049..5189, 5217..5319		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	35848	Seq. ID	OJ990408_01.9A05.C34
Gene No.	73881	Strand	+
Start	607	End	1401
Name	OJ990408_01.9A05.C34.o1.gs	Method	GENSCAN
Start	607	End	1401
GI	none	Score	.72
Exons	607..1401		
Seq. No.	35848	Seq. ID	OJ990408_01.9A05.C34
Gene No.	73881	Strand	+
Start	607	End	1401
Name	OJ990408_01.9A05.C34.o1.np	Method	AAT/NAP
Start	607	End	1398
GI	4512231	Score	1300
Exons	607..1398		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		
Seq. No.	35848	Seq. ID	OJ990408_01.9A05.C34
Gene No.	73882	Strand	+
Start	1672	End	3644
Name	OJ990408_01.9A05.C34.o2.np	Method	AAT/NAP
Start	1629	End	3644
GI	4680179	Score	1947
Exons	1629..2691, 2719..3644		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35848	Seq. ID	OJ990408_01.9A05.C34
Gene No.	73882	Strand	+
Start	1672	End	3644
Name	OJ990408_01.9A05.C34.o2.gs	Method	GENSCAN
Start	1672	End	3626
GI	none	Score	.51
Exons	1672..3626		

Seq. No.	35848	Seq. ID	OJ990408_01.9A05.C34
Gene No.	73882	Strand	+
Start	1672	End	3644
Name	OJ990408_01.9A05.C34.o4.tw	Method	TBLASTX:Wheat
Start	1842	End	2040
GI	none	Score	201
Exons	1842..2039, 1846..2040, 1858..2040		

Seq. No.	35848	Seq. ID	OJ990408_01.9A05.C34
Gene No.	73882	Strand	+
Start	1672	End	3644
Name	OJ990408_01.9A05.C34.o2.tw	Method	TBLASTX:Wheat
Start	2089	End	2442
GI	none	Score	313
Exons	2089..2286, 2092..2442		

Seq. No.	35848	Seq. ID	OJ990408_01.9A05.C34
Gene No.	73882	Strand	+
Start	1672	End	3644
Name	OJ990408_01.9A05.C34.o2.tm	Method	TBLASTX:Maize
Start	2092	End	2430
GI	none	Score	236
Exons	2092..2430, 2092..2325		

Seq. No.	35848	Seq. ID	OJ990408_01.9A05.C34
Gene No.	73882	Strand	+
Start	1672	End	3644
Name	OJ990408_01.9A05.C34.o3.tw	Method	TBLASTX:Wheat
Start	2776	End	3129
GI	none	Score	259
Exons	2776..3129		

Seq. No.	35848	Seq. ID	OJ990408_01.9A05.C34
Gene No.	73882	Strand	+
Start	1672	End	3644
Name	OJ990408_01.9A05.C34.o1.tw	Method	TBLASTX:Wheat
Start	3261	End	3644
GI	none	Score	443
Exons	3261..3644, 3262..3642, 3336..3644		

Seq. No.	35848	Seq. ID	OJ990408_01.9A05.C34
Gene No.	73882	Strand	+
Start	1672	End	3644
Name	OJ990408_01.9A05.C34.o1.tm	Method	TBLASTX:Maize
Start	3271	End	3563
GI	none	Score	332
Exons	3271..3561, 3321..3563		

Seq. No.	35848	Seq. ID	OJ990408_01.9A05.C34

Gene No.	73882	Strand	+
Start	1672	End	3644
Name	OJ990408_01.9A05.C34.o1.ts	Method	TBLASTX:Soybean
Start	3298	End	3612
GI	none	Score	198
Exons	3298..3612		

Seq. No.	35849	Seq. ID	OJ990408_01.9A05.C35
Gene No.-	73883	Strand	+
Start	1	End	1650
Name	OJ990408_01.9A05.C35.o1.np	Method	AAT/NAP
Start	1	End	1650
GI	4680179	Score	2217
Exons	1..1650		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35849	Seq. ID	OJ990408_01.9A05.C35
Gene No.	73883	Strand	+
Start	1	End	1650
Name	OJ990408_01.9A05.C35.o1.gs	Method	GENSCAN
Start	53	End	1622
GI	none	Score	97
Exons	53..1622		

Seq. No.	35849	Seq. ID	OJ990408_01.9A05.C35
Gene No.	73883	Strand	+
Start	1	End	1650
Name	OJ990408_01.9A05.C35.o3.tm	Method	TBLASTX:Maize
Start	152	End	343
GI	none	Score	187
Exons	152..343, 190..297		

Seq. No.	35849	Seq. ID	OJ990408_01.9A05.C35
Gene No.	73883	Strand	+
Start	1	End	1650
Name	OJ990408_01.9A05.C35.o2.tw	Method	TBLASTX:Wheat
Start	280	End	763
GI	none	Score	535
Exons	280..720, 281..763, 284..760		

Seq. No.	35849	Seq. ID	OJ990408_01.9A05.C35
Gene No.	73883	Strand	+
Start	1	End	1650
Name	OJ990408_01.9A05.C35.o3.ts	Method	TBLASTX:Soybean
Start	317	End	631
GI	none	Score	198
Exons	317..631		

Seq. No.	35849	Seq. ID	OJ990408_01.9A05.C35
Gene No.	73883	Strand	+
Start	1	End	1650
Name	OJ990408_01.9A05.C35.o2.tm	Method	TBLASTX:Maize
Start	346	End	793
GI	none	Score	373
Exons	346..588, 350..793		

Seq. No.	35849	Seq. ID	OJ990408_01.9A05.C35

Gene No.	73883	Strand	+
Start	1	End	1650
Name	OJ990408_01.9A05.C35.o1.ts	Method	TBLASTX:Soybean
Start	704	End	1099
GI	none	Score	57
Exons	704..736, 704..736, 705..737, 740..793, 742..783, 743..820, 745..903, 839..1069, 848..1099, 856..1089		

Seq. No.	35849	Seq. ID	OJ990408_01.9A05.C35
Gene No.	73883	Strand	+
Start	1	End	1650
Name	OJ990408_01.9A05.C35.o3.tw	Method	TBLASTX:Wheat
Start	812	End	1114
GI	none	Score	112
Exons	812..1069, 831..1088, 851..1114, 853..1113		

Seq. No.	35849	Seq. ID	OJ990408_01.9A05.C35
Gene No.	73883	Strand	+
Start	1	End	1650
Name	OJ990408_01.9A05.C35.o1.tm	Method	TBLASTX:Maize
Start	1001	End	1426
GI	none	Score	450
Exons	1001..1426, 1048..1413		

Seq. No.	35849	Seq. ID	OJ990408_01.9A05.C35
Gene No.	73883	Strand	+
Start	1	End	1650
Name	OJ990408_01.9A05.C35.o1.tw	Method	TBLASTX:Wheat
Start	1115	End	1540
GI	none	Score	590
Exons	1115..1540, 1117..1533, 1190..1540		

Seq. No.	35849	Seq. ID	OJ990408_01.9A05.C35
Gene No.	73883	Strand	+
Start	1	End	1650
Name	OJ990408_01.9A05.C35.o2.ts	Method	TBLASTX:Soybean
Start	1121	End	1369
GI	none	Score	204
Exons	1121..1369		

Seq. No.	35850	Seq. ID	OJ990408_01.9A05.C36
Gene No.	73884	Strand	+
Start	1	End	1168
Name	OJ990408_01.9A05.C36.o1.np	Method	AAT/NAP
Start	1	End	1168
GI	4680179	Score	760
Exons	1..576, 1144..1168		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35850	Seq. ID	OJ990408_01.9A05.C36
Gene No.	73884	Strand	+
Start	1	End	1168
Name	OJ990408_01.9A05.C36.o1.tw	Method	TBLASTX:Wheat
Start	21	End	446
GI	none	Score	593
Exons	21..446, 23..439, 96..446		

Seq. No.	35850	Seq. ID	OJ990408_01.9A05.C36
Gene No.	73884	Strand	+
Start	1	End	1168
Name	OJ990408_01.9A05.C36.o1.ts	Method	TBLASTX:Soybean
Start	27	End	275
GI	none	Score	201
Exons	27..275		

Seq. No.	35850	Seq. ID	OJ990408_01.9A05.C36
Gene No.	73884	Strand	+
Start	1	End	1168
Name	OJ990408_01.9A05.C36.o1.tm	Method	TBLASTX:Maize
Start	93	End	446
GI	none	Score	449
Exons	93..446, 98..439		

Seq. No.	35850	Seq. ID	OJ990408_01.9A05.C36
Gene No.	73884	Strand	+
Start	1	End	1168
Name	OJ990408_01.9A05.C36.o1.gs	Method	GENSCAN
Start	147	End	476
GI	none	Score	72
Exons	147..476		

Seq. No.	35851	Seq. ID	OJ990408_01.9A05.C37
Gene No.	73885	Strand	+
Start	1	End	741
Name	OJ990408_01.9A05.C37.o1.gp	Method	AAT/GAP
Start	1	End	323
GI	5002953	Score	556
Exons	1..323		
GI Descrip.	4680203/gb\|AAD27566.1\|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	35851	Seq. ID	OJ990408_01.9A05.C37
Gene No.	73885	Strand	+
Start	1	End	741
Name	OJ990408_01.9A05.C37.o1.np	Method	AAT/NAP
Start	1	End	741
GI	4680203	Score	330
Exons	1..741		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	35851	Seq. ID	OJ990408_01.9A05.C37
Gene No.	73885	Strand	+
Start	1	End	741
Name	OJ990408_01.9A05.C37.o1.tw	Method	TBLASTX:Wheat
Start	17	End	597
GI	none	Score	75
Exons	17..82, 101..166, 118..165, 175..261, 265..411, 300..410, 488..511, 535..597, 536..592		

Seq. No.	35852	Seq. ID	OJ990408_01.9A05.C38
Gene No.	73886	Strand	+
Start	37	End	203
Name	OJ990408_01.9A05.C38.o1.gp	Method	AAT/GAP
Start	37	End	203

GI	5002953	Score	251
Exons	37..203		
GI Descrip.	4680203/gb\|AAD27566.1\|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	35853	Seq. ID	OJ990408_01.9A05.C39
Gene No.	73887	Strand	+
Start	539	End	595
Name	OJ990408_01.9A05.C39.o1.gs	Method	GENSCAN
Start	539	End	595
GI	none	Score	.48
Exons	539..595		

Seq. No.	35854	Seq. ID	OJ990408_01.9A05.C41
Gene No.	73888	Strand	-
Start	157	End	242
Name	OJ990408_01.9A05.C41.o1.gs	Method	GENSCAN
Start	157	End	242
GI	none	Score	.8
Exons	157..242		

Seq. No.	35855	Seq. ID	OJ990408_01.9A05.C45
Gene No.	73889	Strand	+
Start	1	End	8597
Name	OJ990408_01.9A05.C45.o1.np	Method	AAT/NAP
Start	1	End	1649
GI	5852179	Score	142
Exons	1..324, 1632..1649		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	35855	Seq. ID	OJ990408_01.9A05.C45
Gene No.	73889	Strand	+
Start	1	End	8597
Name	OJ990408_01.9A05.C45.o2.np	Method	AAT/NAP
Start	1	End	8597
GI	5852180	Score	517
Exons	1..32, 1928..1984, 2971..3382, 3719..3762, 8570..8597		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	35855	Seq. ID	OJ990408_01.9A05.C45
Gene No.	73889	Strand	+
Start	1	End	8597
Name	OJ990408_01.9A05.C45.o1.gs	Method	GENSCAN
Start	91	End	577
GI	none	Score	.41
Exons	91..217, 233..577		

Seq. No.	35855	Seq. ID	OJ990408_01.9A05.C45
Gene No.	73889	Strand	+
Start	1	End	8597
Name	OJ990408_01.9A05.C45.o4.np	Method	AAT/NAP
Start	5950	End	7667
GI	4680182	Score	315
Exons	5950..6444, 7644..7667		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35855	Seq. ID	OJ990408_01.9A05.C45

Gene No.	73890	Strand	-
Start	1	End	5705
Name	OJ990408_01.9A05.C45.o3.np	Method	AAT/NAP
Start	1	End	4894
GI	6539553	Score	1063
Exons	1..78, 4215..4894		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	35855	Seq. ID	OJ990408_01.9A05.C45
Gene No.	73890	Strand	-
Start	1	End	5705
Name	OJ990408_01.9A05.C45.o2.gs	Method	GENSCAN
Start	1354	End	5705
GI	none	Score	.69
Exons	1354..1396, 3176..3302, 3528..3594, 3662..3714, 3774..3802, 4215..4480, 5088..5329, 5507..5705		

Seq. No.	35855	Seq. ID	OJ990408_01.9A05.C45
Gene No.	73890	Strand	-
Start	1	End	5705
Name	OJ990408_01.9A05.C45.o3.gp	Method	AAT/GAP
Start	1833	End	2217
GI	uC-osflcyp033a04b1	Score	654
Exons	1833..2217		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35855	Seq. ID	OJ990408_01.9A05.C45
Gene No.	73891	Strand	-
Start	8340	End	11044
Name	OJ990408_01.9A05.C45.o1.tm	Method	TBLASTX:Maize
Start	966	End	4765
GI	none	Score	274
Exons	966..1061, 4452..4757, 4454..4765, 4457..4759		

Seq. No.	35855	Seq. ID	OJ990408_01.9A05.C45
Gene No.	73891	Strand	-
Start	8340	End	11044
Name	OJ990408_01.9A05.C45.o1.tw	Method	TBLASTX:Wheat
Start	4514	End	4900
GI	none	Score	231
Exons	4514..4900, 4515..4892		

Seq. No.	35855	Seq. ID	OJ990408_01.9A05.C45
Gene No.	73891	Strand	-
Start	8340	End	11044
Name	OJ990408_01.9A05.C45.o5.np	Method	AAT/NAP
Start	8340	End	11044
GI	4680182	Score	425
Exons	8340..8382, 9643..9950, 10251..10648, 11005..11044		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35855	Seq. ID	OJ990408_01.9A05.C45
Gene No.	73891	Strand	-

Start	8340	End	11044
Name	OJ990408_01.9A05.C45.o6.np	Method	AAT/NAP
Start	10856	End	11044
GI	2586082	Score	232
Exons	10856..11044		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	35856	Seq. ID	OJ990408_01.9A05.C46
Gene No.	73892	Strand	-
Start	1	End	2081
Name	OJ990408_01.9A05.C46.o1.np	Method	AAT/NAP
Start	1	End	2081
GI	2586082	Score	1860
Exons	1..2081		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	35856	Seq. ID	OJ990408_01.9A05.C46
Gene No.	73892	Strand	-
Start	1	End	2081
Name	OJ990408_01.9A05.C46.o1.gs	Method	GENSCAN
Start	114	End	2066
GI	none	Score	83
Exons	114..2066		

Seq. No.	35856	Seq. ID	OJ990408_01.9A05.C46
Gene No.	73892	Strand	-
Start	1	End	2081
Name	OJ990408_01.9A05.C46.o2.tw	Method	TBLASTX:Wheat
Start	303	End	656
GI	none	Score	293
Exons	303..656		

Seq. No.	35856	Seq. ID	OJ990408_01.9A05.C46
Gene No.	73892	Strand	-
Start	1	End	2081
Name	OJ990408_01.9A05.C46.o1.tc	Method	TBLASTX:Cress
Start	315	End	780
GI	none	Score	62
Exons	315..776, 316..444, 487..780		

Seq. No.	35856	Seq. ID	OJ990408_01.9A05.C46
Gene No.	73892	Strand	-
Start	1	End	2081
Name	OJ990408_01.9A05.C46.o1.tm	Method	TBLASTX:Maize
Start	326	End	663
GI	none	Score	171
Exons	326..529, 333..656, 337..663		

Seq. No.	35856	Seq. ID	OJ990408_01.9A05.C46
Gene No.	73892	Strand	-
Start	1	End	2081
Name	OJ990408_01.9A05.C46.o1.ts	Method	TBLASTX:Soybean
Start	330	End	749
GI	none	Score	279
Exons	330..749		

Seq. No.	35856	Seq. ID	OJ990408_01.9A05.C46

Gene No.	73892	Strand	-
Start	1	End	2081
Name	OJ990408_01.9A05.C46.o2.ts	Method	TBLASTX:Soybean
Start	753	End	1175
GI	none	Score	57
Exons	753..941, 966..1073, 1089..1175		

Seq. No.	35856	Seq. ID	OJ990408_01.9A05.C46
Gene No.	73892	Strand	-
Start	1	End	2081
Name	OJ990408_01.9A05.C46.o1.tw	Method	TBLASTX:Wheat
Start	1269	End	1641
GI	none	Score	174
Exons	1269..1640, 1281..1619, 1288..1641		

Seq. No.	35856	Seq. ID	OJ990408_01.9A05.C46
Gene No.	73892	Strand	-
Start	1	End	2081
Name	OJ990408_01.9A05.C46.o2.tm	Method	TBLASTX:Maize
Start	1476	End	2039
GI	none	Score	117
Exons	1476..1721, 1476..1721, 1477..1722, 1757..1792, 1836..2039		

Seq. No.	35857	Seq. ID	OJ990408_01.9A05.C47
Gene No.	73893	Strand	-
Start	1	End	1981
Name	OJ990408_01.9A05.C47.o1.np	Method	AAT/NAP
Start	1	End	478
GI	531389	Score	385
Exons	1..478		
GI Descrip.	(U12626) copia-like retrotransposon Hopscotch polyprotein [Zea mays]		

Seq. No.	35857	Seq. ID	OJ990408_01.9A05.C47
Gene No.	73893	Strand	-
Start	1	End	1981
Name	OJ990408_01.9A05.C47.o2.np	Method	AAT/NAP
Start	1	End	1981
GI	4680182	Score	632
Exons	1..22, 611..829, 901..1095, 1129..1981		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35857	Seq. ID	OJ990408_01.9A05.C47
Gene No.	73893	Strand	-
Start	1	End	1981
Name	OJ990408_01.9A05.C47.o1.tc	Method	TBLASTX:Cress
Start	2	End	424
GI	none	Score	204
Exons	2..424		

Seq. No.	35857	Seq. ID	OJ990408_01.9A05.C47
Gene No.	73893	Strand	-
Start	1	End	1981
Name	OJ990408_01.9A05.C47.o1.tw	Method	TBLASTX:Wheat
Start	2	End	391
GI	none	Score	54
Exons	2..148, 5..118, 164..307, 165..260, 314..391		

Seq. No.	35857	Seq. ID	OJ990408_01.9A05.C47
Gene No.	73893	Strand	-
Start	1	End	1981
Name	OJ990408_01.9A05.C47.o1.tm	Method	TBLASTX:Maize
Start	2	End	388
GI	none	Score	58
Exons	2..262, 126..233, 140..247, 290..388		

Seq. No.	35857	Seq. ID	OJ990408_01.9A05.C47
Gene No.	73893	Strand	-
Start	1	End	1981
Name	OJ990408_01.9A05.C47.o1.gs	Method	GENSCAN
Start	126	End	1981
GI	none	Score	.49
Exons	126..486, 1158..1483, 1577..1769, 1876..1981		

Seq. No.	35857	Seq. ID	OJ990408_01.9A05.C47
Gene No.	73893	Strand	-
Start	1	End	1981
Name	OJ990408_01.9A05.C47.o2.tm	Method	TBLASTX:Maize
Start	1456	End	1897
GI	none	Score	62
Exons	1456..1668, 1656..1718, 1669..1719, 1784..1897, 1799..1852		

Seq. No.	35858	Seq. ID	OJ990408_01.9A05.C48
Gene No.	73894	Strand	+
Start	102	End	263
Name	OJ990408_01.9A05.C48.o1.gs	Method	GENSCAN
Start	102	End	263
GI	none	Score	.71
Exons	102..263		

Seq. No.	35858	Seq. ID	OJ990408_01.9A05.C48
Gene No.	73895	Strand	+
Start	2028	End	5395
Name	OJ990408_01.9A05.C48.o2.np	Method	AAT/NAP
Start	2028	End	5395
GI	6721547	Score	68
Exons	2028..2112, 2925..2972, 5371..5395		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	35858	Seq. ID	OJ990408_01.9A05.C48
Gene No.	73896	Strand	-
Start	1	End	272
Name	OJ990408_01.9A05.C48.o1.np	Method	AAT/NAP
Start	1	End	272
GI	4680181	Score	212
Exons	1..272		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35858	Seq. ID	OJ990408_01.9A05.C48
Gene No.	73897	Strand	-
Start	2290	End	3837
Name	OJ990408_01.9A05.C48.o1.tm	Method	TBLASTX:Maize
Start	48	End	269
GI	none	Score	72

Exons	48..269, 102..230		
Seq. No.	35858	Seq. ID	OJ990408_01.9A05.C48
Gene No.	73897	Strand	-
Start	2290	End	3837
Name	OJ990408_01.9A05.C48.o2.gs	Method	GENSCAN
Start	2290	End	3837
GI	none	Score	.72
Exons	2290..2433, 2931..3279, 3428..3837		
Seq. No.	35859	Seq. ID	OJ990408_01.9A05.C49
Gene No.	73898	Strand	+
Start	340	End	428
Name	OJ990408_01.9A05.C49.o1.gs	Method	GENSCAN
Start	340	End	428
GI	none	Score	.96
Exons	340..428		
Seq. No.	35859	Seq. ID	OJ990408_01.9A05.C49
Gene No.	73899	Strand	-
Start	1	End	364
Name	OJ990408_01.9A05.C49.o1.np	Method	AAT/NAP
Start	1	End	364
GI	2583130	Score	92
Exons	1..364		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	35859	Seq. ID	OJ990408_01.9A05.C49
Gene No.	73899	Strand	-
Start	1	End	364
Name	OJ990408_01.9A05.C49.o1.tw	Method	TBLASTX:Wheat
Start	56	End	355
GI	none	Score	62
Exons	56..343, 231..320, 299..355		
Seq. No.	35860	Seq. ID	OJ990408_01.9A05.C51
Gene No.	73900	Strand	+
Start	1	End	1877
Name	OJ990408_01.9A05.C51.o1.np	Method	AAT/NAP
Start	1	End	1877
GI	6063554	Score	321
Exons	1..171, 306..537, 1684..1877		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	35860	Seq. ID	OJ990408_01.9A05.C51
Gene No.	73901	Strand	+
Start	2695	End	4718
Name	OJ990408_01.9A05.C51.o2.np	Method	AAT/NAP
Start	2695	End	4718
GI	6721512	Score	52
Exons	2695..2715, 4623..4718		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	35860	Seq. ID	OJ990408_01.9A05.C51

Gene No.	73902	Strand	-
Start	4824	End	8586
Name	OJ990408_01.9A05.C51.o2.gs	Method	GENSCAN
Start	4824	End	7862
GI	none	Score	.96
Exons	4824..5216, 7381..7419, 7797..7862		

Seq. No.	35860	Seq. ID	OJ990408_01.9A05.C51
Gene No.	73902	Strand	-
Start	4824	End	8586
Name	OJ990408_01.9A05.C51.o3.np	Method	AAT/NAP
Start	5738	End	7773
GI	629693	Score	195
Exons	5738..5851, 7307..7773		
GI Descrip.	probable integrase - common tobacco (fragment) gi\|530742\|emb\|CAA56791\| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	35860	Seq. ID	OJ990408_01.9A05.C51
Gene No.	73902	Strand	-
Start	4824	End	8586
Name	OJ990408_01.9A05.C51.o4.np	Method	AAT/NAP
Start	7316	End	8586
GI	5902445	Score	205
Exons	7316..8000, 8554..8586		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	35861	Seq. ID	OJ990408_01.9A05.C53
Gene No.	73903	Strand	+
Start	7741	End	8205
Name	OJ990408_01.9A05.C53.o2.gp	Method	AAT/GAP
Start	7741	End	8205
GI	uC-osflcyp176f10b1	Score	827
Exons	7741..8205		
GI Descrip.	'6041757/gb\|AC011806.1\|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	35861	Seq. ID	OJ990408_01.9A05.C53
Gene No.	73904	Strand	+
Start	9761	End	10032
Name	OJ990408_01.9A05.C53.o3.gp	Method	AAT/GAP
Start	9761	End	10032
GI	2310235	Score	398
Exons	9761..10032		
GI Descrip.	5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	35861	Seq. ID	OJ990408_01.9A05.C53
Gene No.	73905	Strand	-
Start	269	End	10227
Name	OJ990408_01.9A05.C53.o1.gs	Method	GENSCAN
Start	269	End	10212
GI	none	Score	.52
Exons	269..1376, 2221..2317, 4826..4972, 5083..5227, 6551..6713, 6793..6891, 6994..7066, 7151..7261, 7641..7917, 7980..8525, 8575..8716, 8791..8910, 8956..9121, 9251..10212		

Seq. No.	35861	Seq. ID	OJ990408_01.9A05.C53
Gene No.	73905	Strand	-
Start	269	End	10227
Name	OJ990408_01.9A05.C53.o1.gp	Method	AAT/GAP
Start	5979	End	6138
GI	21474_1.R1084	Score	247
Exons	5979..6138		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	35861	Seq. ID	OJ990408_01.9A05.C53
Gene No.	73905	Strand	-
Start	269	End	10227
Name	OJ990408_01.9A05.C53.o1.np	Method	AAT/NAP
Start	6546	End	10227
GI	4680204	Score	1024
Exons	6546..6683, 7042..7261, 7358..7531, 7641..8716, 8791..10227		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	35861	Seq. ID	OJ990408_01.9A05.C53
Gene No.	73905	Strand	-
Start	269	End	10227
Name	OJ990408_01.9A05.C53.o1.tw	Method	TBLASTX:Wheat
Start	9181	End	9584
GI	none	Score	50
Exons	9181..9276, 9181..9351, 9314..9481, 9346..9582, 9433..9582, 9444..9584, 9468..9584		

Seq. No.	35862	Seq. ID	OJ990408_01.9A05.C54
Gene No.	73906	Strand	-
Start	112	End	1968
Name	OJ990408_01.9A05.C54.o3.tm	Method	TBLASTX:Maize
Start	105	End	351
GI	none	Score	181
Exons	105..146, 139..351		

Seq. No.	35862	Seq. ID	OJ990408_01.9A05.C54
Gene No.	73906	Strand	-
Start	112	End	1968
Name	OJ990408_01.9A05.C54.o1.gs	Method	GENSCAN
Start	112	End	1509
GI	none	Score	.54
Exons	112..580, 632..1509		

Seq. No.	35862	Seq. ID	OJ990408_01.9A05.C54
Gene No.	73906	Strand	-
Start	112	End	1968
Name	OJ990408_01.9A05.C54.o1.np	Method	AAT/NAP
Start	115	End	1968
GI	4680179	Score	2210
Exons	115..1568, 1878..1968		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35862	Seq. ID	OJ990408_01.9A05.C54
Gene No.	73906	Strand	-
Start	112	End	1968
Name	OJ990408_01.9A05.C54.o3.tw	Method	TBLASTX:Wheat

Start	160	End	493
GI	none	Score	42
Exons	160..492, 353..400, 376..489, 422..493		

Seq. No.	35862	Seq. ID	OJ990408_01.9A05.C54
Gene No.	73906	Strand	-
Start	112	End	1968
Name	OJ990408_01.9A05.C54.o1.tm	Method	TBLASTX:Maize
Start	355	End	939
GI	none	Score	49
Exons	355..780, 356..451, 478..666, 617..781, 776..931, 778..939, 785..931, 787..933		

Seq. No.	35862	Seq. ID	OJ990408_01.9A05.C54
Gene No.	73906	Strand	-
Start	112	End	1968
Name	OJ990408_01.9A05.C54.o1.tw	Method	TBLASTX:Wheat
Start	493	End	1119
GI	none	Score	67
Exons	493..1119, 494..577, 499..744, 614..1117		

Seq. No.	35862	Seq. ID	OJ990408_01.9A05.C54
Gene No.	73906	Strand	-
Start	112	End	1968
Name	OJ990408_01.9A05.C54.o2.tm	Method	TBLASTX:Maize
Start	988	End	1279
GI	none	Score	283
Exons	988..1278, 992..1279, 1007..1279		

Seq. No.	35862	Seq. ID	OJ990408_01.9A05.C54
Gene No.	73906	Strand	-
Start	112	End	1968
Name	OJ990408_01.9A05.C54.o1.ts	Method	TBLASTX:Soybean
Start	1078	End	1338
GI	none	Score	188
Exons	1078..1338, 1079..1336		

Seq. No.	35862	Seq. ID	OJ990408_01.9A05.C54
Gene No.	73906	Strand	-
Start	112	End	1968
Name	OJ990408_01.9A05.C54.o1.tc	Method	TBLASTX:Cress
Start	1102	End	1428
GI	none	Score	86
Exons	1102..1245, 1121..1243, 1246..1428		

Seq. No.	35862	Seq. ID	OJ990408_01.9A05.C54
Gene No.	73906	Strand	-
Start	112	End	1968
Name	OJ990408_01.9A05.C54.o2.tw	Method	TBLASTX:Wheat
Start	1126	End	1561
GI	none	Score	355
Exons	1126..1560, 1127..1561		

Seq. No.	35863	Seq. ID	OJ990408_01.9A05.C55
Gene No.	73907	Strand	+
Start	319	End	956
Name	OJ990408_01.9A05.C55.o1.gp	Method	AAT/GAP

Start	319	End	956
GI	101153_1.R1084	Score	238
Exons	319..354, 827..956		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	35863	Seq. ID	OJ990408_01.9A05.C55
Gene No.	73908	Strand	-
Start	133	End	956
Name	OJ990408_01.9A05.C55.o1.np	Method	AAT/NAP
Start	133	End	956
GI	5852180	Score	246
Exons	133..507, 850..956		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	35863	Seq. ID	OJ990408_01.9A05.C55
Gene No.	73908	Strand	-
Start	133	End	956
Name	OJ990408_01.9A05.C55.o1.gs	Method	GENSCAN
Start	137	End	446
GI	none	Score	.8
Exons	137..446		

Seq. No.	35864	Seq. ID	OJ990408_01.9A05.C56
Gene No.	73909	Strand	+
Start	1	End	705
Name	OJ990408_01.9A05.C56.o1.tw	Method	TBLASTX:Wheat
Start	1	End	703
GI	none	Score	313
Exons	1..360, 3..359, 6..365, 359..481, 360..506, 363..536, 508..651, 509..652, 512..667, 662..703, 666..701		

Seq. No.	35864	Seq. ID	OJ990408_01.9A05.C56
Gene No.	73909	Strand	+
Start	1	End	705
Name	OJ990408_01.9A05.C56.o1.np	Method	AAT/NAP
Start	1	End	582
GI	6742729	Score	877
Exons	1..582		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	35864	Seq. ID	OJ990408_01.9A05.C56
Gene No.	73909	Strand	+
Start	1	End	705
Name	OJ990408_01.9A05.C56.o1.gp	Method	AAT/GAP
Start	1	End	705
GI	342_1.R1084	Score	1220
Exons	1..705		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	35864	Seq. ID	OJ990408_01.9A05.C56
Gene No.	73909	Strand	+
Start	1	End	705
Name	OJ990408_01.9A05.C56.o1.tc	Method	TBLASTX:Cress
Start	35	End	485
GI	none	Score	249

Exons	35..217, 39..359, 43..360, 360..485, 363..485		
Seq. No.	35864	Seq. ID	OJ990408_01.9A05.C56
Gene No.	73909	Strand	+
Start	1	End	705
Name	OJ990408_01.9A05.C56.o1.gs	Method	GENSCAN
Start	85	End	671
GI	none	Score	.52
Exons	85..231, 551..671		
Seq. No.	35865	Seq. ID	OJ990708_04.9A01.C1
Gene No.	73910	Strand	+
Start	4181	End	5138
Name	OJ990708_04.9A01.C1.o2.gs	Method	GENSCAN
Start	4181	End	5138
GI	none	Score	.95
Exons	4181..4209, 4419..4482, 4818..4997, 5019..5138		
Seq. No.	35865	Seq. ID	OJ990708_04.9A01.C1
Gene No.	73911	Strand	+
Start	10454	End	10656
Name	OJ990708_04.9A01.C1.o1.gp	Method	AAT/GAP
Start	10454	End	10656
GI	uC-osflcyp099b05a1	Score	369
Exons	10454..10656		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 8.0e-61 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	35865	Seq. ID	OJ990708_04.9A01.C1
Gene No.	73912	Strand	-
Start	683	End	1676
Name	OJ990708_04.9A01.C1.o1.gs	Method	GENSCAN
Start	683	End	1676
GI	none	Score	.89
Exons	683..1676		
Seq. No.	35865	Seq. ID	OJ990708_04.9A01.C1
Gene No.	73913	Strand	-
Start	7166	End	8088
Name	OJ990708_04.9A01.C1.o3.gs	Method	GENSCAN
Start	7166	End	8088
GI	none	Score	.49
Exons	7166..7318, 7807..8088		
Seq. No.	35865	Seq. ID	OJ990708_04.9A01.C1
Gene No.	73914	Strand	-
Start	8534	End	11378
Name	OJ990708_04.9A01.C1.o1.tc	Method	TBLASTX:Cress
Start	684	End	11270
GI	none	Score	72
Exons	684..779, 688..780, 819..863, 888..1001, 1014..1067, 1443..1502, 8684..9553, 8711..9175, 8925..9446, 9248..9553, 9937..10014, 10407..10574, 10686..10748, 10788..10841, 10869..10910, 11211..11270		
Seq. No.	35865	Seq. ID	OJ990708_04.9A01.C1
Gene No.	73914	Strand	-

Start	8534	End	11378
Name	OJ990708_04.9A01.C1.o2.np	Method	AAT/NAP
Start	8517	End	11366
GI	4966347	Score	717
Exons	8517..9644, 9886..10085, 10454..10519, 10564..11366		
GI Descrip.	(AC006341) Similar to gb\|AJ012423 wall-associated kinase 2 from Arabidopsis thaliana.		

Seq. No.	35865	Seq. ID	OJ990708_04.9A01.C1
Gene No.	73914	Strand	-
Start	8534	End	11378
Name	OJ990708_04.9A01.C1.o4.gs	Method	GENSCAN
Start	8534	End	11378
GI	none	Score	.57
Exons	8534..9720, 9903..10085, 10454..11378		

Seq. No.	35865	Seq. ID	OJ990708_04.9A01.C1
Gene No.	73914	Strand	-
Start	8534	End	11378
Name	OJ990708_04.9A01.C1.o1.tm	Method	TBLASTX:Maize
Start	8652	End	9646
GI	none	Score	66
Exons	8652..8768, 8669..9550, 8684..8872, 8919..9209, 9264..9452, 9575..9646		

Seq. No.	35865	Seq. ID	OJ990708_04.9A01.C1
Gene No.	73914	Strand	-
Start	8534	End	11378
Name	OJ990708_04.9A01.C1.o1.np	Method	AAT/NAP
Start	8683	End	11375
GI	5803260	Score	1026
Exons	8683..9701, 9980..10024, 10398..11375		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	35865	Seq. ID	OJ990708_04.9A01.C1
Gene No.	73914	Strand	-
Start	8534	End	11378
Name	OJ990708_04.9A01.C1.o1.ts	Method	TBLASTX:Soybean
Start	8855	End	9643
GI	none	Score	330
Exons	8855..9391, 8904..9392, 9410..9562, 9457..9528, 9557..9643		

Seq. No.	35865	Seq. ID	OJ990708_04.9A01.C1
Gene No.	73914	Strand	-
Start	8534	End	11378
Name	OJ990708_04.9A01.C1.o2.tw	Method	TBLASTX:Wheat
Start	8903	End	9169
GI	none	Score	92
Exons	8903..9025, 8919..9032, 9038..9169		

Seq. No.	35865	Seq. ID	OJ990708_04.9A01.C1
Gene No.	73914	Strand	-
Start	8534	End	11378
Name	OJ990708_04.9A01.C1.o1.tw	Method	TBLASTX:Wheat
Start	9170	End	9532
GI	none	Score	169
Exons	9170..9532, 9174..9446, 9457..9528		

Seq. No.	35866	Seq. ID	OJ990708_04.9A01.C2
Gene No.	73915	Strand	+
Start	899	End	1766
Name	OJ990708_04.9A01.C2.o1.np	Method	AAT/NAP
Start	899	End	1338
GI	6539570	Score	107
Exons	899..1114, 1272..1338		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	35866	Seq. ID	OJ990708_04.9A01.C2
Gene No.	73915	Strand	+
Start	899	End	1766
Name	OJ990708_04.9A01.C2.o1.gs	Method	GENSCAN
Start	951	End	1766
GI	none	Score	.47
Exons	951..1047, 1671..1766		

Seq. No.	35866	Seq. ID	OJ990708_04.9A01.C2
Gene No.	73916	Strand	-
Start	894	End	1168
Name	OJ990708_04.9A01.C2.o1.gp	Method	AAT/GAP
Start	894	End	1168
GI	286550	Score	277
Exons	894..1168		
GI Descrip.	5734616/dbj\|AP000391.1\|AP000391 8.0e-61 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01		

Seq. No.	35867	Seq. ID	OJ990708_04.9A01.C3
Gene No.	73917	Strand	+
Start	945	End	2731
Name	OJ990708_04.9A01.C3.o1.gs	Method	GENSCAN
Start	945	End	2731
GI	none	Score	.6
Exons	945..1069, 2578..2731		

Seq. No.	35867	Seq. ID	OJ990708_04.9A01.C3
Gene No.	73918	Strand	+
Start	2774	End	2831
Name	OJ990708_04.9A01.C3.o1.gp	Method	AAT/GAP
Start	2774	End	2831
GI	2312838	Score	69
Exons	2774..2831		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	35867	Seq. ID	OJ990708_04.9A01.C3
Gene No.	73919	Strand	+
Start	3190	End	3273
Name	OJ990708_04.9A01.C3.o1.np	Method	AAT/NAP
Start	3190	End	3273
GI	5852084	Score	80
Exons	3190..3273		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	35868	Seq. ID	OJ990708_04.9A01.C4
Gene No.	73920	Strand	+

Start	191	End	6024
Name	OJ990708_04.9A01.C4.o1.gs	Method	GENSCAN
Start	191	End	6024
GI	none	Score	.46
Exons	191..228, 291..489, 2819..3040, 3787..3870, 5840..6024		

Seq. No.	35868	Seq. ID	OJ990708_04.9A01.C4
Gene No.	73920	Strand	+
Start	191	End	6024
Name	OJ990708_04.9A01.C4.o1.gp	Method	AAT/GAP
Start	3667	End	4230
GI	2799763	Score	1014
Exons	3667..4230		

Seq. No.	35868	Seq. ID	OJ990708_04.9A01.C4
Gene No.	73921	Strand	+
Start	16683	End	21254
Name	OJ990708_04.9A01.C4.o2.np	Method	AAT/NAP
Start	16683	End	19921
GI	4512683	Score	108
Exons	16683..16730, 18295..18605, 19903..19921		
GI Descrip.	(AC006931) putative lipase [Arabidopsis thaliana]		

Seq. No.	35868	Seq. ID	OJ990708_04.9A01.C4
Gene No.	73921	Strand	+
Start	16683	End	21254
Name	OJ990708_04.9A01.C4.o3.gs	Method	GENSCAN
Start	17716	End	18870
GI	none	Score	1
Exons	17716..18870		

Seq. No.	35868	Seq. ID	OJ990708_04.9A01.C4
Gene No.	73921	Strand	+
Start	16683	End	21254
Name	OJ990708_04.9A01.C4.o4.gs	Method	GENSCAN
Start	19170	End	21254
GI	none	Score	.73
Exons	19170..19182, 19654..19990, 20023..20080, 20101..20196, 20241..20316, 20385..20524, 21111..21254		

Seq. No.	35868	Seq. ID	OJ990708_04.9A01.C4
Gene No.	73922	Strand	-
Start	7802	End	9853
Name	OJ990708_04.9A01.C4.o1.np	Method	AAT/NAP
Start	7802	End	9853
GI	1935918	Score	1031
Exons	7802..9073, 9784..9853		
GI Descrip.	(U93559) putative serine/threonine protein kinase [Brassica rapa]		

Seq. No.	35868	Seq. ID	OJ990708_04.9A01.C4
Gene No.	73923	Strand	-
Start	19959	End	22423
Name	OJ990708_04.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	7906	End	8889
GI	none	Score	107
Exons	7906..8004, 8068..8262, 8096..8263, 8380..8649, 8429..8632,		

8618..8791, 8641..8811, 8839..8889

Seq. No.	35868	Seq. ID	OJ990708_04.9A01.C4
Gene No.	73923	Strand	-
Start	19959	End	22423
Name	OJ990708_04.9A01.C4.o1.tw	Method	TBLASTX:Wheat
Start	7906	End	8235
GI	none	Score	98
Exons	7906..8004, 8071..8235, 8093..8230		

Seq. No.	35868	Seq. ID	OJ990708_04.9A01.C4
Gene No.	73923	Strand	-
Start	19959	End	22423
Name	OJ990708_04.9A01.C4.o1.tc	Method	TBLASTX:Cress
Start	7912	End	8903
GI	none	Score	172
Exons	7912..8004, 8071..8268, 8072..8269, 8401..8652, 8408..8581, 8618..8668, 8668..8811, 8829..8903		

Seq. No.	35868	Seq. ID	OJ990708_04.9A01.C4
Gene No.	73923	Strand	-
Start	19959	End	22423
Name	OJ990708_04.9A01.C4.o2.ts	Method	TBLASTX:Soybean
Start	7912	End	8272
GI	none	Score	138
Exons	7912..8004, 8071..8271, 8072..8272		

Seq. No.	35868	Seq. ID	OJ990708_04.9A01.C4
Gene No.	73923	Strand	-
Start	19959	End	22423
Name	OJ990708_04.9A01.C4.o1.ts	Method	TBLASTX:Soybean
Start	8371	End	8731
GI	none	Score	133
Exons	8371..8658, 8429..8569, 8662..8730, 8666..8731		

Seq. No.	35868	Seq. ID	OJ990708_04.9A01.C4
Gene No.	73923	Strand	-
Start	19959	End	22423
Name	OJ990708_04.9A01.C4.o3.np	Method	AAT/NAP
Start	19959	End	22423
GI	4680341	Score	564
Exons	19959..20319, 20378..20458, 20484..20632, 22346..22423		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	35869	Seq. ID	OJ990708_04.9A01.C5
Gene No.	73924	Strand	+
Start	232	End	396
Name	OJ990708_04.9A01.C5.o1.gs	Method	GENSCAN
Start	232	End	396
GI	none	Score	.57
Exons	232..396		

Seq. No.	35870	Seq. ID	OJ990708_04.9A01.C6
Gene No.	73925	Strand	+
Start	72	End	422
Name	OJ990708_04.9A01.C6.o1.gs	Method	GENSCAN
Start	72	End	422

GI	none	Score	.66
Exons	72..422		

Seq. No.	35870	Seq. ID	OJ990708_04.9A01.C6
Gene No.	73926	Strand	-
Start	1	End	347
Name	OJ990708_04.9A01.C6.o1.np	Method	AAT/NAP
Start	1	End	347
GI	3128224	Score	123
Exons	1..199, 227..347		
GI Descrip.	(AC004077) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	35871	Seq. ID	OJ990708_04.9A01.C7
Gene No.	73927	Strand	+
Start	1	End	1274
Name	OJ990708_04.9A01.C7.o1.np	Method	AAT/NAP
Start	1	End	1274
GI	2739387	Score	204
Exons	1..19, 103..412, 1227..1274		
GI Descrip.	(AC002505) En/Spm-like transposon protein [Arabidopsis thaliana]		

Seq. No.	35871	Seq. ID	OJ990708_04.9A01.C7
Gene No.	73927	Strand	+
Start	1	End	1274
Name	OJ990708_04.9A01.C7.o1.ts	Method	TBLASTX:Soybean
Start	96	End	398
GI	none	Score	118
Exons	96..185, 97..186, 201..398, 248..373		

Seq. No.	35871	Seq. ID	OJ990708_04.9A01.C7
Gene No.	73927	Strand	+
Start	1	End	1274
Name	OJ990708_04.9A01.C7.o1.tm	Method	TBLASTX:Maize
Start	99	End	431
GI	none	Score	122
Exons	99..197, 100..198, 194..376, 195..431		

Seq. No.	35871	Seq. ID	OJ990708_04.9A01.C7
Gene No.	73927	Strand	+
Start	1	End	1274
Name	OJ990708_04.9A01.C7.o1.gs	Method	GENSCAN
Start	183	End	548
GI	none	Score	.94
Exons	183..548		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73928	Strand	+
Start	2508	End	3726
Name	OJ990708_04.9A01.C8.o1.np	Method	AAT/NAP
Start	2508	End	3429
GI	1946364	Score	175
Exons	2508..3429		
GI Descrip.	(U93215) putative lipase [Arabidopsis thaliana]		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73928	Strand	+
Start	2508	End	3726

Name	OJ990708_04.9A01.C8.o1.gs	Method	GENSCAN
Start	2530	End	3726
GI	none	Score	1
Exons	2530..3726		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73929	Strand	+
Start	5409	End	7256
Name	OJ990708_04.9A01.C8.o2.gs	Method	GENSCAN
Start	5409	End	5906
GI	none	Score	.81
Exons	5409..5414, 5715..5906		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73929	Strand	+
Start	5409	End	7256
Name	OJ990708_04.9A01.C8.o2.np	Method	AAT/NAP
Start	5630	End	7256
GI	6539588	Score	124
Exons	5630..5916, 7220..7256		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73930	Strand	+
Start	9986	End	12463
Name	OJ990708_04.9A01.C8.o3.np	Method	AAT/NAP
Start	9151	End	12463
GI	1946364	Score	194
Exons	9151..9213, 10508..11048, 12407..12463		
GI Descrip.	(U93215) putative lipase [Arabidopsis thaliana]		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73930	Strand	+
Start	9986	End	12463
Name	OJ990708_04.9A01.C8.o3.gs	Method	GENSCAN
Start	9986	End	11359
GI	none	Score	.96
Exons	9986..11359		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73931	Strand	+
Start	30648	End	33932
Name	OJ990708_04.9A01.C8.o7.np	Method	AAT/NAP
Start	30648	End	33932
GI	4102600	Score	1664
Exons	30648..30796, 31042..31140, 31218..31274, 31371..31526, 31613..31698, 32023..32112, 32206..32370, 32454..32576, 32650..32725, 32889..33045, 33128..33932		
GI Descrip.	(AF013467) ARF6 [Arabidopsis thaliana]		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73931	Strand	+
Start	30648	End	33932
Name	OJ990708_04.9A01.C8.o7.gs	Method	GENSCAN
Start	31135	End	33826
GI	none	Score	.73
Exons	31135..31140, 31218..31274, 31371..31503, 31943..31967,		

32206..32370, 32454..32576, 32650..32725, 32889..33045,
33122..33826

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73931	Strand	+
Start	30648	End	33932
Name	OJ990708_04.9A01.C8.o3.gp	Method	AAT/GAP
Start	33186	End	33524
GI	3760145	Score	553
Exons	33186..33524		
GI Descrip.	730456/sp\|P40978\|RS19_ORYSA 9.0e-14 40S RIBOSOMAL PROTEIN S19		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73932	Strand	-
Start	12419	End	12852
Name	OJ990708_04.9A01.C8.o1.gp	Method	AAT/GAP
Start	12419	End	12852
GI	LIB3433-026-P1-K1-G12	Score	809
Exons	12419..12852		
GI Descrip.	'5262796/emb\|CAB45901.1\| 2.0e-19 (AL080282) putative protein [Arabidopsis thaliana]'		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73933	Strand	-
Start	12778	End	21097
Name	OJ990708_04.9A01.C8.o4.gs	Method	GENSCAN
Start	12778	End	21097
GI	none	Score	.75
Exons	12778..12827, 13127..13181, 13271..13510, 13595..13881, 14307..14353, 14740..14833, 15128..15223, 15268..15364, 17353..17727, 17880..17987, 18066..18239, 18333..18461, 19091..19270, 19490..19722, 20263..21097		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73933	Strand	-
Start	12778	End	21097
Name	OJ990708_04.9A01.C8.o2.gp	Method	AAT/GAP
Start	17565	End	17818
GI	2311427	Score	415
Exons	17565..17818		
GI Descrip.	5262796/emb\|CAB45901.1\| 2.0e-19 (AL080282) putative protein [Arabidopsis thaliana]		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73933	Strand	-
Start	12778	End	21097
Name	OJ990708_04.9A01.C8.o4.np	Method	AAT/NAP
Start	17588	End	20838
GI	5262796	Score	1656
Exons	17588..17791, 17880..17987, 18066..18233, 18333..18461, 19091..19381, 19490..19728, 20263..20768, 20802..20838		
GI Descrip.	(AL080282) putative protein [Arabidopsis thaliana]		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73934	Strand	-
Start	21679	End	25139
Name	OJ990708_04.9A01.C8.o5.np	Method	AAT/NAP

Start	21679	End	23525
GI	5852093	Score	70
Exons	21679..21706, 23419..23525		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73934	Strand	-
Start	21679	End	25139
Name	OJ990708_04.9A01.C8.o5.gs	Method	GENSCAN
Start	22924	End	24534
GI	none	Score	.51
Exons	22924..22949, 24369..24534		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73934	Strand	-
Start	21679	End	25139
Name	OJ990708_04.9A01.C8.o6.np	Method	AAT/NAP
Start	23419	End	25139
GI	5852093	Score	87
Exons	23419..23616, 25106..25139		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73935	Strand	-
Start	25266	End	29938
Name	OJ990708_04.9A01.C8.o6.ts	Method	TBLASTX:Soybean
Start	13122	End	13883
GI	none	Score	78
Exons	13122..13184, 13123..13182, 13270..13311, 13273..13323, 13384..13404, 13595..13672, 13670..13870, 13670..13882, 13755..13883		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73935	Strand	-
Start	25266	End	29938
Name	OJ990708_04.9A01.C8.o3.tc	Method	TBLASTX:Cress
Start	13475	End	13883
GI	none	Score	34
Exons	13475..13510, 13488..13511, 13598..13687, 13599..13670, 13657..13824, 13697..13882, 13699..13866, 13700..13873, 13755..13883		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73935	Strand	-
Start	25266	End	29938
Name	OJ990708_04.9A01.C8.o1.tw	Method	TBLASTX:Wheat
Start	13482	End	13883
GI	none	Score	51
Exons	13482..13511, 13568..13681, 13596..13676, 13597..13692, 13672..13875, 13673..13879, 13679..13882, 13755..13883		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73935	Strand	-
Start	25266	End	29938
Name	OJ990708_04.9A01.C8.o5.tm	Method	TBLASTX:Maize
Start	13637	End	14375
GI	none	Score	311

Exons	13637..13876, 13637..13885, 13755..13883, 14306..14374, 14310..14375		
Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73935	Strand	-
Start	25266	End	29938
Name	OJ990708_04.9A01.C8.o1.ts	Method	TBLASTX:Soybean
Start	17550	End	18225
GI	none	Score	139
Exons	17550..17744, 17585..17743, 17621..17749, 17735..17797, 17735..17797, 17736..17798, 17877..17990, 17905..17988, 18055..18225, 18066..18224		
Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73935	Strand	-
Start	25266	End	29938
Name	OJ990708_04.9A01.C8.o4.tm	Method	TBLASTX:Maize
Start	17582	End	18135
GI	none	Score	172
Exons	17582..17797, 17586..17792, 17877..17990, 17905..17988, 18055..18135, 18066..18134		
Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73935	Strand	-
Start	25266	End	29938
Name	OJ990708_04.9A01.C8.o4.tc	Method	TBLASTX:Cress
Start	17621	End	17797
GI	none	Score	154
Exons	17621..17788, 17621..17797		
Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73935	Strand	-
Start	25266	End	29938
Name	OJ990708_04.9A01.C8.o2.tc	Method	TBLASTX:Cress
Start	17907	End	18495
GI	none	Score	80
Exons	17907..17990, 17908..17988, 17931..18035, 17951..17992, 18049..18240, 18061..18084, 18066..18239, 18175..18240, 18312..18455, 18328..18495, 18331..18456		
Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73935	Strand	-
Start	25266	End	29938
Name	OJ990708_04.9A01.C8.o1.tm	Method	TBLASTX:Maize
Start	18144	End	19640
GI	none	Score	117
Exons	18144..18239, 18145..18240, 18147..18239, 18321..18461, 18331..18456, 18331..18483, 19092..19382, 19095..19325, 19096..19383, 19118..19381, 19465..19635, 19473..19640, 19490..19639		
Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73935	Strand	-
Start	25266	End	29938
Name	OJ990708_04.9A01.C8.o2.tw	Method	TBLASTX:Wheat
Start	19229	End	19618
GI	none	Score	96

Exons	19229..19381, 19230..19373, 19473..19598, 19493..19618		
Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73935	Strand	-
Start	25266	End	29938
Name	OJ990708_04.9A01.C8.o4.ts	Method	TBLASTX:Soybean
Start	19287	End	19741
GI	none	Score	80
Exons	19287..19382, 19289..19381, 19493..19741, 19500..19727		
Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73935	Strand	-
Start	25266	End	29938
Name	OJ990708_04.9A01.C8.o5.tc	Method	TBLASTX:Cress
Start	19491	End	19709
GI	none	Score	130
Exons	19491..19709, 19493..19708		
Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73935	Strand	-
Start	25266	End	29938
Name	OJ990708_04.9A01.C8.o8.tm	Method	TBLASTX:Maize
Start	19661	End	20459
GI	none	Score	158
Exons	19661..19723, 20264..20458, 20268..20459		
Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73935	Strand	-
Start	25266	End	29938
Name	OJ990708_04.9A01.C8.o5.ts	Method	TBLASTX:Soybean
Start	20264	End	20585
GI	none	Score	166
Exons	20264..20584, 20268..20585		
Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73935	Strand	-
Start	25266	End	29938
Name	OJ990708_04.9A01.C8.o7.tm	Method	TBLASTX:Maize
Start	20459	End	20746
GI	none	Score	179
Exons	20459..20746, 20463..20600, 20595..20657, 20634..20681		
Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73935	Strand	-
Start	25266	End	29938
Name	OJ990708_04.9A01.C8.o6.gs	Method	GENSCAN
Start	25266	End	29938
GI	none	Score	.52
Exons	25266..25299, 26171..26358, 26977..27297, 29537..29938		
Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73936	Strand	
Start	30679	End	33932
Name	OJ990708_04.9A01.C8.o1.tc	Method	TBLASTX:Cress
Start	30679	End	33885
GI	none	Score	125
Exons	30679..30798, 30683..30802, 31033..31140, 31035..31151,		

31041..31142, 31197..31271, 31371..31526, 31373..31531,
31373..31528, 31613..31699, 31618..31701, 32014..32115,
32021..32113, 32192..32371, 32197..32370, 32253..32375,
32451..32591, 32452..32577, 32469..32588, 32648..32728,
32650..32745, 32650..32727, 32886..33011, 32888..33025,
32889..33026, 33178..33300, 33183..33245, 33247..33366,
33255..33359, 33739..33885

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73936	Strand	
Start	30679	End	33932
Name	OJ990708_04.9A01.C8.o3.tm	Method	TBLASTX:Maize
Start	30679	End	31699
GI	none	Score	143
Exons	30679..30798, 30683..30802, 30684..30797, 31033..31149, 31037..31150, 31197..31274, 31213..31299, 31215..31277, 31369..31524, 31370..31528, 31371..31526, 31590..31688, 31606..31689, 31612..31698, 31613..31699		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73936	Strand	
Start	30679	End	33932
Name	OJ990708_04.9A01.C8.o2.ts	Method	TBLASTX:Soybean
Start	31057	End	31699
GI	4306688	Score	144
Exons	31057..31140, 31057..31140, 31197..31274, 31367..31522, 31371..31526, 31373..31528, 31612..31698, 31613..31699		
GI Descrip.	-		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73936	Strand	
Start	30679	End	33932
Name	OJ990708_04.9A01.C8.o2.tm	Method	TBLASTX:Maize
Start	32022	End	32990
GI	none	Score	113
Exons	32022..32090, 32023..32097, 32024..32098, 32025..32102, 32185..32367, 32194..32367, 32198..32371, 32207..32371, 32452..32577, 32452..32571, 32454..32591, 32648..32728, 32648..32725, 32649..32726, 32650..32745, 32650..32727, 32886..32987, 32888..32989, 32888..32989, 32889..32990		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73936	Strand	
Start	30679	End	33932
Name	OJ990708_04.9A01.C8.o7.ts	Method	TBLASTX:Soybean
Start	32038	End	32475
GI	5510202	Score	106
Exons	32038..32109, 32039..32110, 32042..32116, 32189..32371, 32192..32371, 32197..32400, 32451..32474, 32452..32475		
GI Descrip.	4104929 1.0e-30 (AF042195) auxin response factor 7 [Arabidopsis thaliana]		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73936	Strand	
Start	30679	End	33932
Name	OJ990708_04.9A01.C8.o3.ts	Method	TBLASTX:Soybean
Start	32482	End	33348

GI	none	Score	158
Exons	32482..32577, 32484..32591, 32648..32728, 32650..32727, 32888..33025, 32889..33026, 33108..33239, 33108..33245, 33109..33348, 33109..33345		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73936	Strand	
Start	30679	End	33932
Name	OJ990708_04.9A01.C8.o6.tm	Method	TBLASTX:Maize
Start	32991	End	33363
GI	none	Score	71
Exons	32991..33029, 32993..33028, 33090..33335, 33109..33363, 33121..33363		

Seq. No.	35872	Seq. ID	OJ990708_04.9A01.C8
Gene No.	73936	Strand	
Start	30679	End	33932
Name	OJ990708_04.9A01.C8.o9.tm	Method	TBLASTX:Maize
Start	33643	End	33932
GI	none	Score	74
Exons	33643..33717, 33683..33718, 33721..33930, 33724..33930, 33735..33932, 33768..33932		

Seq. No.	35873	Seq. ID	OJ990708_04.9A01.C9
Gene No.	73937	Strand	+
Start	141	End	987
Name	OJ990708_04.9A01.C9.o1.gs	Method	GENSCAN
Start	141	End	630
GI	none	Score	.99
Exons	141..331, 432..630		

Seq. No.	35873	Seq. ID	OJ990708_04.9A01.C9
Gene No.	73937	Strand	+
Start	141	End	987
Name	OJ990708_04.9A01.C9.o1.np	Method	AAT/NAP
Start	141	End	627
GI	4102600	Score	343
Exons	141..331, 432..627		
GI Descrip.	(AF013467) ARF6 [Arabidopsis thaliana]		

Seq. No.	35873	Seq. ID	OJ990708_04.9A01.C9
Gene No.	73937	Strand	+
Start	141	End	987
Name	OJ990708_04.9A01.C9.o1.gp	Method	AAT/GAP
Start	275	End	987
GI	23354_1.R1084	Score	1091
Exons	275..331, 432..987		
GI Descrip.	'4102600/gb\|AAD01513.1\| 8.0e-09 (AF013467) ARF6 [Arabidopsis thaliana]'		

Seq. No.	35873	Seq. ID	OJ990708_04.9A01.C9
Gene No.	73938	Strand	-
Start	1728	End	5302
Name	OJ990708_04.9A01.C9.o1.tm	Method	TBLASTX:Maize
Start	132	End	632
GI	none	Score	306
Exons	132..188, 139..330, 141..356, 246..335, 254..355, 427..504,		

432..503, 503..628, 504..632

Seq. No.	35873	Seq. ID	OJ990708_04.9A01.C9
Gene No.	73938	Strand	-
Start	1728	End	5302
Name	OJ990708_04.9A01.C9.o1.ts	Method	TBLASTX:Soybean
Start	132	End	636
GI	none	Score	142
Exons	132..329, 139..312, 139..336, 441..356, 432..488, 433..636, 442..516		

Seq. No.	35873	Seq. ID	OJ990708_04.9A01.C9
Gene No.	73938	Strand	-
Start	1728	End	5302
Name	OJ990708_04.9A01.C9.o1.tc	Method	TBLASTX:Cress
Start	137	End	612
GI	none	Score	302
Exons	137..181, 139..330, 141..356, 433..522, 433..516, 532..612	252..335, 254..355, 432..488,	

Seq. No.	35873	Seq. ID	OJ990708_04.9A01.C9
Gene No.	73938	Strand	-
Start	1728	End	5302
Name	OJ990708_04.9A01.C9.o2.gs	Method	GENSCAN
Start	1728	End	5229
GI	none	Score	.43
Exons	1728..1945, 2697..3668, 3761..3938, 4844..5009, 5138..5229		

Seq. No.	35873	Seq. ID	OJ990708_04.9A01.C9
Gene No.	73938	Strand	-
Start	1728	End	5302
Name	OJ990708_04.9A01.C9.o2.np	Method	AAT/NAP
Start	1742	End	5302
GI	4038035	Score	413
Exons	1742..1945, 2697..2778, 2896..3006, 3042..3300, 5278..5302		
GI Descrip.	(AC005936) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35873	Seq. ID	OJ990708_04.9A01.C9
Gene No.	73938	Strand	-
Start	1728	End	5302
Name	OJ990708_04.9A01.C9.o2.tm	Method	TBLASTX:Maize
Start	2676	End	3275
GI	none	Score	86
Exons	2676..2780, 3028..3126, 3048..3143, 3171..3275, 3172..3273		

Seq. No.	35873	Seq. ID	OJ990708_04.9A01.C9
Gene No.	73938	Strand	-
Start	1728	End	5302
Name	OJ990708_04.9A01.C9.o2.ts	Method	TBLASTX:Soybean
Start	2676	End	3143
GI	none	Score	68
Exons	2676..2780, 2895..2969, 3039..3125, 3055..3105, 3105..3143		

Seq. No.	35873	Seq. ID	OJ990708_04.9A01.C9
Gene No.	73938	Strand	-
Start	1728	End	5302
Name	OJ990708_04.9A01.C9.o2.gp	Method	AAT/GAP

Start	3571	End	4232
GI	2428074	Score	634
Exons	3571..3679, 3761..3938, 4169..4232		

Seq. No.	35874	Seq. ID	OJ990708_04.9A01.C10
Gene No.	73939	Strand	+
Start	6278	End	10168
Name	OJ990708_04.9A01.C10.o2.gs	Method	GENSCAN
Start	6278	End	10168
GI	none	Score	.64
Exons	6278..6600, 6688..6781, 6827..6958, 7049..7260, 7372..7456, 7832..7915, 8542..8889, 9725..9929, 10068..10168		

Seq. No.	35874	Seq. ID	OJ990708_04.9A01.C10
Gene No.	73940	Strand	+
Start	12008	End	22910
Name	OJ990708_04.9A01.C10.o1.np	Method	AAT/NAP
Start	12008	End	16405
GI	6634762	Score	1848
Exons	12008..12057, 13454..13523, 13817..15013, 15768..16405		
GI Descrip.	(AC009917) Contains a bZIP transcription factor PF\|00170 domain. ESTs gb\|R30400, gb\|AA650964, gb\|AI994521 come from this gene. [Arabidopsis thaliana]		

Seq. No.	35874	Seq. ID	OJ990708_04.9A01.C10
Gene No.	73940	Strand	+
Start	12008	End	22910
Name	OJ990708_04.9A01.C10.o4.gs	Method	GENSCAN
Start	13395	End	22910
GI	none	Score	.7
Exons	13395..13399, 13454..13523, 13817..15013, 15768..16371, 16628..16737, 18131..18373, 18576..18724, 18832..18940, 19377..19499, 20727..21014, 21115..21465, 21580..21879, 21968..22205, 22284..22910		

Seq. No.	35874	Seq. ID	OJ990708_04.9A01.C10
Gene No.	73940	Strand	+
Start	12008	End	22910
Name	OJ990708_04.9A01.C10.o1.gp	Method	AAT/GAP
Start	13813	End	14112
GI	569423	Score	588
Exons	13813..14112		
GI Descrip.	4468984/emb\|CAB38298\| 5.0e-19 (AL035605) putative protein [Arabidopsis thaliana]		

Seq. No.	35874	Seq. ID	OJ990708_04.9A01.C10
Gene No.	73940	Strand	+
Start	12008	End	22910
Name	OJ990708_04.9A01.C10.o2.gp	Method	AAT/GAP
Start	21769	End	22626
GI	58715_1.R1084	Score	1259
Exons	21769..21879, 21968..22205, 22284..22626		
GI Descrip.	'4468984/emb\|CAB38298\| 5.0e-19 (AL035605) putative protein [Arabidopsis thaliana]'		

Seq. No.	35874	Seq. ID	OJ990708_04.9A01.C10
Gene No.	73941	Strand	-

Start	148	End	4201
Name	OJ990708_04.9A01.C10.o1.gs	Method	GENSCAN
Start	148	End	4201
GI	none	Score	.83
Exons	148..317, 1433..1479, 1604..1665, 2244..2333, 2804..3552, 3857..3880, 3913..4201		

Seq. No.	35874	Seq. ID	OJ990708_04.9A01.C10
Gene No.	73942	Strand	-
Start	10935	End	11858
Name	OJ990708_04.9A01.C10.o4.tm	Method	TBLASTX:Maize
Start	2909	End	4037
GI	none	Score	111
Exons	2909..3046, 2910..3035, 2919..3053, 3085..3222, 3126..3254, 3293..3367, 3310..3360, 3815..3883, 3827..3856, 3965..4036, 3966..4037		

Seq. No.	35874	Seq. ID	OJ990708_04.9A01.C10
Gene No.	73942	Strand	-
Start	10935	End	11858
Name	OJ990708_04.9A01.C10.o3.ts	Method	TBLASTX:Soybean
Start	6806	End	7075
GI	none	Score	224
Exons	6806..6958, 6808..6915, 7043..7075, 7043..7072		

Seq. No.	35874	Seq. ID	OJ990708_04.9A01.C10
Gene No.	73942	Strand	-
Start	10935	End	11858
Name	OJ990708_04.9A01.C10.o3.tc	Method	TBLASTX:Cress
Start	6808	End	6994
GI	none	Score	207
Exons	6808..6915, 6809..6958, 6872..6994		

Seq. No.	35874	Seq. ID	OJ990708_04.9A01.C10
Gene No.	73942	Strand	-
Start	10935	End	11858
Name	OJ990708_04.9A01.C10.o5.tm	Method	TBLASTX:Maize
Start	6808	End	7102
GI	none	Score	209
Exons	6808..6915, 6809..6958, 6890..6985, 7043..7102		

Seq. No.	35874	Seq. ID	OJ990708_04.9A01.C10
Gene No.	73942	Strand	-
Start	10935	End	11858
Name	OJ990708_04.9A01.C10.o3.gs	Method	GENSCAN
Start	10935	End	11858
GI	none	Score	.6
Exons	10935..10999, 11407..11611, 11760..11858		

Seq. No.	35874	Seq. ID	OJ990708_04.9A01.C10
Gene No.	73943	Strand	
Start	13452	End	16133
Name	OJ990708_04.9A01.C10.o2.ts	Method	TBLASTX:Soybean
Start	13452	End	14224
GI	none	Score	74
Exons	13452..13523, 13814..14224, 13816..13953, 13981..14211		

Seq. No.	35874	Seq. ID	OJ990708_04.9A01.C10
Gene No.	73943	Strand	
Start	13452	End	16133
Name	OJ990708_04.9A01.C10.o1.tm	Method	TBLASTX:Maize
Start	13805	End	14623
GI	none	Score	1016
Exons	13805..14623, 13807..14457, 14489..14623		

Seq. No.	35874	Seq. ID	OJ990708_04.9A01.C10
Gene No.	73943	Strand	
Start	13452	End	16133
Name	OJ990708_04.9A01.C10.o1.tw	Method	TBLASTX:Wheat
Start	13850	End	14170
GI	none	Score	242
Exons	13850..14170, 13906..14154		

Seq. No.	35874	Seq. ID	OJ990708_04.9A01.C10
Gene No.	73943	Strand	
Start	13452	End	16133
Name	OJ990708_04.9A01.C10.o2.tc	Method	TBLASTX:Cress
Start	13858	End	14116
GI	none	Score	244
Exons	13858..14094, 13859..14116		

Seq. No.	35874	Seq. ID	OJ990708_04.9A01.C10
Gene No.	73943	Strand	
Start	13452	End	16133
Name	OJ990708_04.9A01.C10.o1.ts	Method	TBLASTX:Soybean
Start	14312	End	15878
GI	none	Score	94
Exons	14312..14479, 14495..14788, 14849..15019, 14863..15018, 15738..15878		

Seq. No.	35874	Seq. ID	OJ990708_04.9A01.C10
Gene No.	73943	Strand	
Start	13452	End	16133
Name	OJ990708_04.9A01.C10.o1.tc	Method	TBLASTX:Cress
Start	14549	End	15878
GI	none	Score	152
Exons	14549..14797, 14864..15019, 15738..15878		

Seq. No.	35874	Seq. ID	OJ990708_04.9A01.C10
Gene No.	73943	Strand	
Start	13452	End	16133
Name	OJ990708_04.9A01.C10.o2.tm	Method	TBLASTX:Maize
Start	14747	End	16133
GI	none	Score	88
Exons	14747..14800, 14750..14800, 14754..14801, 14800..15012, 14801..15019, 14802..15014, 15724..15852, 15727..15858, 15738..15878, 15744..15866, 15923..15973, 15927..15974, 16041..16133, 16053..16127		

Seq. No.	35874	Seq. ID	OJ990708_04.9A01.C10
Gene No.	73944	Strand	
Start	18816	End	19102
Name	OJ990708_04.9A01.C10.o3.tm	Method	TBLASTX:Maize
Start	18816	End	19102

GI	none	Score	85
Exons	18816..18974, 18826..18993, 18828..18986, 18833..18994, 18962..19102, 19009..19101		

Seq. No.	35875	Seq. ID	OJ990708_04.9A01.C11
Gene No.	73945	Strand	+
Start	1	End	3159
Name	OJ990708_04.9A01.C11.o1.gp	Method	AAT/GAP
Start	1	End	937
GI	LIB3434-021-P1-K1-B11	Score	818
Exons	1..92, 169..291, 377..457, 709..762, 837..937		
GI Descrip.	'5689489/dbj\|BAA83028.1\| 5.0e-44 (AB028999) KIAA1076 protein [Homo sapiens]'		

Seq. No.	35875	Seq. ID	OJ990708_04.9A01.C11
Gene No.	73945	Strand	+
Start	1	End	3159
Name	OJ990708_04.9A01.C11.o1.np	Method	AAT/NAP
Start	1	End	1488
GI	5689489	Score	377
Exons	1..92, 169..291, 377..457, 709..762, 837..988, 1470..1488		
GI Descrip.	(AB028999) KIAA1076 protein [Homo sapiens]		

Seq. No.	35875	Seq. ID	OJ990708_04.9A01.C11
Gene No.	73945	Strand	+
Start	1	End	3159
Name	OJ990708_04.9A01.C11.o1.gs	Method	GENSCAN
Start	169	End	3159
GI	none	Score	.77
Exons	169..291, 377..457, 1470..1512, 1794..1899, 2060..2135, 2851..2962, 3107..3159		

Seq. No.	35875	Seq. ID	OJ990708_04.9A01.C11
Gene No.	73946	Strand	+
Start	6602	End	9922
Name	OJ990708_04.9A01.C11.o3.gs	Method	GENSCAN
Start	6602	End	9922
GI	none	Score	.81
Exons	6602..7022, 8317..8656, 8878..9922		

Seq. No.	35875	Seq. ID	OJ990708_04.9A01.C11
Gene No.	73946	Strand	+
Start	6602	End	9922
Name	OJ990708_04.9A01.C11.o2.np	Method	AAT/NAP
Start	6797	End	9919
GI	1076291	Score	1825
Exons	6797..7022, 8317..8672, 8897..9919		
GI Descrip.	amino acid transporter AAT1 - Arabidopsis thaliana gi\|2911069\|emb\|CAA17531.1\| (AL021960) amino acid transport protein AAT1 [Arabidopsis thaliana]		

Seq. No.	35875	Seq. ID	OJ990708_04.9A01.C11
Gene No.	73947	Strand	+
Start	11224	End	11309
Name	OJ990708_04.9A01.C11.o2.gp	Method	AAT/GAP
Start	11224	End	11309
GI	5867_1.R1084	Score	125

Exons	11224..11309
GI Descrip.	'464986/sp\|P35132\|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'

Seq. No.	35875	Seq. ID	OJ990708_04.9A01.C11
Gene No.	73948	Strand	-
Start	4309	End	5615
Name	OJ990708_04.9A01.C11.o2.gs	Method	GENSCAN
Start	4309	End	5615
GI	none	Score	.56
Exons	4309..4463, 5489..5615		

Seq. No.	35875	Seq. ID	OJ990708_04.9A01.C11
Gene No.	73949	Strand	-
Start	10605	End	11554
Name	OJ990708_04.9A01.C11.o4.gs	Method	GENSCAN
Start	10605	End	11554
GI	none	Score	.71
Exons	10605..10780, 11404..11554		

Seq. No.	35875	Seq. ID	OJ990708_04.9A01.C11
Gene No.	73950	Strand	-
Start	12338	End	12425
Name	OJ990708_04.9A01.C11.o3.tm	Method	TBLASTX:Maize
Start	369	End	929
GI	none	Score	134
Exons	369..464, 374..460, 376..474, 687..770, 702..776, 709..777, 709..777, 823..921, 828..929, 834..923		

Seq. No.	35875	Seq. ID	OJ990708_04.9A01.C11
Gene No.	73950	Strand	-
Start	12338	End	12425
Name	OJ990708_04.9A01.C11.o1.ts	Method	TBLASTX:Soybean
Start	6680	End	7000
GI	none	Score	283
Exons	6680..7000, 6682..6915		

Seq. No.	35875	Seq. ID	OJ990708_04.9A01.C11
Gene No.	73950	Strand	-
Start	12338	End	12425
Name	OJ990708_04.9A01.C11.o2.tm	Method	TBLASTX:Maize
Start	6680	End	8453
GI	none	Score	285
Exons	6680..7048, 6682..6786, 6832..6912, 8315..8443, 8316..8453		

Seq. No.	35875	Seq. ID	OJ990708_04.9A01.C11
Gene No.	73950	Strand	-
Start	12338	End	12425
Name	OJ990708_04.9A01.C11.o2.tc	Method	TBLASTX:Cress
Start	6680	End	8648
GI	none	Score	307
Exons	6680..7048, 8304..8648, 8315..8479		

Seq. No.	35875	Seq. ID	OJ990708_04.9A01.C11
Gene No.	73950	Strand	-
Start	12338	End	12425
Name	OJ990708_04.9A01.C11.o3.ts	Method	TBLASTX:Soybean
Start	8304	End	8441
GI	none	Score	205
Exons	8304..8441, 8315..8440		

Seq. No.	35875	Seq. ID	OJ990708_04.9A01.C11
Gene No.	73950	Strand	-
Start	12338	End	12425
Name	OJ990708_04.9A01.C11.o1.tm	Method	TBLASTX:Maize
Start	8906	End	9814
GI	none	Score	144
Exons	8906..9037, 8911..9033, 9103..9198, 9104..9478, 9683..9814		

Seq. No.	35875	Seq. ID	OJ990708_04.9A01.C11
Gene No.	73950	Strand	-
Start	12338	End	12425
Name	OJ990708_04.9A01.C11.o1.tc	Method	TBLASTX:Cress
Start	9101	End	9517
GI	none	Score	309
Exons	9101..9517, 9136..9321		

Seq. No.	35875	Seq. ID	OJ990708_04.9A01.C11
Gene No.	73950	Strand	-
Start	12338	End	12425
Name	OJ990708_04.9A01.C11.o4.ts	Method	TBLASTX:Soybean
Start	9158	End	9328
GI	none	Score	198
Exons	9158..9328, 9169..9327		

Seq. No.	35875	Seq. ID	OJ990708_04.9A01.C11
Gene No.	73950	Strand	-
Start	12338	End	12425
Name	OJ990708_04.9A01.C11.o2.ts	Method	TBLASTX:Soybean
Start	9634	End	9835
GI	none	Score	254
Exons	9634..9834, 9635..9835		

Seq. No.	35875	Seq. ID	OJ990708_04.9A01.C11
Gene No.	73950	Strand	-
Start	12338	End	12425
Name	OJ990708_04.9A01.C11.o3.tc	Method	TBLASTX:Cress
Start	9646	End	9832
GI	none	Score	196
Exons	9646..9831, 9647..9832		

Seq. No.	35875	Seq. ID	OJ990708_04.9A01.C11
Gene No.	73950	Strand	-
Start	12338	End	12425
Name	OJ990708_04.9A01.C11.o3.np	Method	AAT/NAP
Start	12338	End	12425
GI	5852084	Score	82
Exons	12338..12425		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	35876	Seq. ID	OJ990708_04.9A01.C12
Gene No.	73951	Strand	+
Start	679	End	2085
Name	OJ990708_04.9A01.C12.o1.gs	Method	GENSCAN
Start	679	End	2070
GI	none	Score	.85
Exons	679..818, 1910..2070		

Seq. No.	35876	Seq. ID	OJ990708_04.9A01.C12
Gene No.	73951	Strand	+
Start	679	End	2085
Name	OJ990708_04.9A01.C12.o1.tm	Method	TBLASTX:Maize
Start	1900	End	2085
GI	none	Score	190
Exons	1900..2085, 1908..2009, 2027..2071		

Seq. No.	35877	Seq. ID	OJ990708_04.9A01.C13
Gene No.	73952	Strand	+
Start	1	End	11502
Name	OJ990708_04.9A01.C13.o1.np	Method	AAT/NAP
Start	1	End	1143
GI	6634774	Score	268
Exons	1..68, 151..326, 970..1143		
GI Descrip.	(AC009917) Contains similarity to gb\|Y13720 Hap2a transcription factor from Arabidopsis thaliana.		

Seq. No.	35877	Seq. ID	OJ990708_04.9A01.C13
Gene No.	73952	Strand	+
Start	1	End	11502
Name	OJ990708_04.9A01.C13.o1.gs	Method	GENSCAN
Start	162	End	11502
GI	none	Score	.42
Exons	162..326, 970..1150, 4189..4262, 4859..5236, 5342..7246, 7731..7804, 7880..8246, 8347..8554, 8627..8745, 8826..9124, 9229..9490, 9583..9690, 9737..9838, 9954..9976, 10034..10476, 10540..10793, 11182..11502		

Seq. No.	35877	Seq. ID	OJ990708_04.9A01.C13
Gene No.	73952	Strand	+
Start	1	End	11502
Name	OJ990708_04.9A01.C13.o2.tm	Method	TBLASTX:Maize
Start	164	End	323
GI	none	Score	252
Exons	164..322, 165..323		

Seq. No.	35877	Seq. ID	OJ990708_04.9A01.C13
Gene No.	73952	Strand	+
Start	1	End	11502
Name	OJ990708_04.9A01.C13.o2.np	Method	AAT/NAP
Start	4991	End	10490
GI	5441880	Score	2758
Exons	4991..6002, 6447..6478, 6737..7063, 7665..7804, 7913..8246, 8826..9124, 9229..9490, 9563..9807, 10281..10490		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	35877	Seq. ID	OJ990708_04.9A01.C13
Gene No.	73952	Strand	+
Start	1	End	11502
Name	OJ990708_04.9A01.C13.o1.tm	Method	TBLASTX:Maize
Start	5558	End	6154
GI	none	Score	372
Exons	5558..6025, 5563..6036, 6083..6154		

Seq. No.	35877	Seq. ID	OJ990708_04.9A01.C13
Gene No.	73952	Strand	+
Start	1	End	11502
Name	OJ990708_04.9A01.C13.o1.tw	Method	TBLASTX:Wheat
Start	5852	End	6229
GI	none	Score	191
Exons	5852..6001, 5854..6006, 5855..6031, 6055..6123, 6056..6229, 6078..6218		

Seq. No.	35877	Seq. ID	OJ990708_04.9A01.C13
Gene No.	73952	Strand	+
Start	1	End	11502
Name	OJ990708_04.9A01.C13.o1.gp	Method	AAT/GAP
Start	7919	End	10169
GI	LIB3433-020-P1-K1-A6	Score	766
Exons	7919..7961, 9783..10169		
GI Descrip.	'5670155/gb\|AF161269.1\|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	35877	Seq. ID	OJ990708_04.9A01.C13
Gene No.	73952	Strand	+
Start	1	End	11502
Name	OJ990708_04.9A01.C13.o2.tw	Method	TBLASTX:Wheat
Start	7971	End	8153
GI	none	Score	92
Exons	7971..8024, 7985..8035, 8033..8152, 8034..8153		

Seq. No.	35878	Seq. ID	OJ990708_04.9A01.C15
Gene No.	73953	Strand	+
Start	1	End	550
Name	OJ990708_04.9A01.C15.o1.np	Method	AAT/NAP
Start	1	End	550
GI	6069653	Score	156
Exons	1..550		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	35878	Seq. ID	OJ990708_04.9A01.C15
Gene No.	73954	Strand	-
Start	54	End	201
Name	OJ990708_04.9A01.C15.o1.gs	Method	GENSCAN
Start	54	End	201
GI	none	Score	.51
Exons	54..201		

Seq. No.	35879	Seq. ID	OJ990708_04.9A01.C16
Gene No.	73955	Strand	-
Start	413	End	542
Name	OJ990708_04.9A01.C16.o1.gp	Method	AAT/GAP

Start	413	End	542
GI	3761434	Score	201
Exons	413..542		

Seq. No.	35880	Seq. ID	OJ990708_01.9A01.C2
Gene No.	73956	Strand	+
Start	818	End	12612
Name	OJ990708_01.9A01.C2.o1.np	Method	AAT/NAP
Start	818	End	12612
GI	5852175	Score	293
Exons	818..1182, 1815..1976, 12548..12612		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	35880	Seq. ID	OJ990708_01.9A01.C2
Gene No.	73956	Strand	+
Start	818	End	12612
Name	OJ990708_01.9A01.C2.o1.gs	Method	GENSCAN
Start	1450	End	1946
GI	none	Score	.54
Exons	1450..1753, 1837..1946		

Seq. No.	35880	Seq. ID	OJ990708_01.9A01.C2
Gene No.	73957	Strand	-
Start	2295	End	5305
Name	OJ990708_01.9A01.C2.o2.gs	Method	GENSCAN
Start	2295	End	5305
GI	none	Score	.88
Exons	2295..2315, 2575..2773, 2863..2972, 3345..3420, 5247..5305		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73958	Strand	+
Start	1	End	3234
Name	OJ990708_01.9A01.C3.o1.np	Method	AAT/NAP
Start	1	End	3195
GI	6714431	Score	1748
Exons	1..33, 641..1481, 1573..3195		
GI Descrip.	(AC012328) putative cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73958	Strand	+
Start	1	End	3234
Name	OJ990708_01.9A01.C3.o1.gs	Method	GENSCAN
Start	561	End	3234
GI	none	Score	.98
Exons	561..1481, 1573..3234		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o2.tc	Method	TBLASTX:Cress
Start	705	End	3084
GI	none	Score	182
Exons	705..965, 1020..1349, 1040..1234, 1355..1423, 1359..1424, 1662..1853, 1663..1854, 1864..1980, 3007..3084		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3

Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o2.tm	Method	TBLASTX:Maize
Start	833	End	1484
GI	none	Score	152
Exons	833..958, 834..980, 972..1373, 1040..1246, 1263..1370, 1389..1484, 1392..1484		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o3.ts	Method	TBLASTX:Soybean
Start	1020	End	1484
GI	none	Score	160
Exons	1020..1157, 1040..1153, 1157..1234, 1158..1373, 1307..1357, 1385..1483, 1389..1484, 1392..1484		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o5.tw	Method	TBLASTX:Wheat
Start	1139	End	1424
GI	none	Score	182
Exons	1139..1234, 1140..1331, 1341..1424, 1355..1423		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o2.ts	Method	TBLASTX:Soybean
Start	1636	End	2321
GI	none	Score	277
Exons	1636..1863, 1638..1892, 1863..2063, 1864..2061, 2053..2319, 2103..2165, 2169..2321		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o2.tw	Method	TBLASTX:Wheat
Start	1645	End	2016
GI	none	Score	254
Exons	1645..1863, 1653..1862, 1863..2015, 1864..2016		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o4.tm	Method	TBLASTX:Maize
Start	1662	End	2061
GI	none	Score	251
Exons	1662..1853, 1663..1854, 1869..2057, 1870..2061		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o1.tc	Method	TBLASTX:Cress
Start	1981	End	2897
GI	none	Score	106
Exons	1981..2061, 1983..2060, 2109..2165, 2169..2480, 2176..2484,		

2470..2550, 2557..2895, 2676..2822, 2850..2897

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o1.tm	Method	TBLASTX:Maize
Start	2169	End	3084
GI	none	Score	637
Exons	2169..2594, 2176..2901, 2673..2900, 3004..3084		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o5.ts	Method	TBLASTX:Soybean
Start	2328	End	3069
GI	none	Score	148
Exons	2328..2450, 2329..2454, 2476..2829, 2655..2825, 2839..2901, 3007..3069		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o1.tw	Method	TBLASTX:Wheat
Start	2478	End	2904
GI	none	Score	678
Exons	2478..2903, 2479..2904		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o1.gp	Method	AAT/GAP
Start	3939	End	4004
GI	2312838	Score	71
Exons	3939..4004		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o2.gs	Method	GENSCAN
Start	4631	End	6373
GI	none	Score	.64
Exons	4631..4818, 6010..6100, 6152..6373		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o1.ts	Method	TBLASTX:Soybean
Start	4871	End	5551
GI	none	Score	53
Exons	4871..5137, 4877..4993, 5064..5549, 5077..5367, 5216..5551		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o2.np	Method	AAT/NAP

Start	4892	End	6377
GI	4388829	Score	1287
Exons	4892..6377		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o3.tm	Method	TBLASTX:Maize
Start	4907	End	5569
GI	none	Score	55
Exons	4907..5131, 5064..5132, 5219..5569, 5220..5471		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o4.tw	Method	TBLASTX:Wheat
Start	5315	End	5701
GI	none	Score	42
Exons	5315..5560, 5321..5359, 5430..5561, 5582..5701		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o6.ts	Method	TBLASTX:Soybean
Start	5579	End	5758
GI	none	Score	115
Exons	5579..5758, 5613..5756		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o4.tc	Method	TBLASTX:Cress
Start	5615	End	5854
GI	none	Score	189
Exons	5615..5854		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o3.tw	Method	TBLASTX:Wheat
Start	5711	End	6259
GI	none	Score	57
Exons	5711..5920, 5748..5852, 5912..6259, 5967..6098, 6144..6257		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o5.tm	Method	TBLASTX:Maize
Start	5825	End	6259
GI	none	Score	99
Exons	5825..6259, 5937..6098, 6165..6257		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377

Name	OJ990708_01.9A01.C3.o4.ts	Method	TBLASTX:Soybean
Start	5937	End	6376
GI	5509260	Score	111
Exons	5937..6098, 5942..6376, 6144..6350, 6164..6358		
GI Descrip.	-		

Seq. No.	35881	Seq. ID	OJ990708_01.9A01.C3
Gene No.	73959	Strand	-
Start	4631	End	6377
Name	OJ990708_01.9A01.C3.o3.tc	Method	TBLASTX:Cress
Start	6038	End	6307
GI	none	Score	138
Exons	6038..6307, 6047..6286, 6057..6293		

Seq. No.	35882	Seq. ID	OJ990708_01.9A01.C4
Gene No.	73960	Strand	+
Start	1	End	8505
Name	OJ990708_01.9A01.C4.o1.np	Method	AAT/NAP
Start	1	End	504
GI	6714431	Score	275
Exons	1..504		
GI Descrip.	(AC012328) putative cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	35882	Seq. ID	OJ990708_01.9A01.C4
Gene No.	73960	Strand	+
Start	1	End	8505
Name	OJ990708_01.9A01.C4.o1.gs	Method	GENSCAN
Start	43	End	8505
GI	none	Score	.75
Exons	43..536, 2719..3561, 3968..4137, 4348..4413, 5327..5481, 6584..6675, 8291..8505		

Seq. No.	35882	Seq. ID	OJ990708_01.9A01.C4
Gene No.	73960	Strand	+
Start	1	End	8505
Name	OJ990708_01.9A01.C4.o1.gp	Method	AAT/GAP
Start	418	End	750
GI	3761434	Score	577
Exons	418..750		

Seq. No.	35882	Seq. ID	OJ990708_01.9A01.C4
Gene No.	73961	Strand	-
Start	1893	End	2127
Name	OJ990708_01.9A01.C4.o2.np	Method	AAT/NAP
Start	1893	End	2127
GI	5852181	Score	107
Exons	1893..2127		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	35882	Seq. ID	OJ990708_01.9A01.C4
Gene No.	73962	Strand	-
Start	2670	End	4873
Name	OJ990708_01.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	1	End	393
GI	none	Score	95
Exons	1..69, 1..63, 6..68, 118..213, 138..212, 300..392, 304..393		

Seq. No.	35882	Seq. ID	OJ990708_01.9A01.C4
Gene No.	73962	Strand	-
Start	2670	End	4873
Name	OJ990708_01.9A01.C4.o1.ts	Method	TBLASTX:Soybean
Start	1	End	378
GI	none	Score	131
Exons	1..162, 3..161, 142..210, 307..378		

Seq. No.	35882	Seq. ID	OJ990708_01.9A01.C4
Gene No.	73962	Strand	-
Start	2670	End	4873
Name	OJ990708_01.9A01.C4.o1.tw	Method	TBLASTX:Wheat
Start	1	End	213
GI	none	Score	338
Exons	1..213, 3..212		

Seq. No.	35882	Seq. ID	OJ990708_01.9A01.C4
Gene No.	73962	Strand	-
Start	2670	End	4873
Name	OJ990708_01.9A01.C4.o1.tc	Method	TBLASTX:Cress
Start	16	End	393
GI	none	Score	153
Exons	16..210, 21..209, 313..393		

Seq. No.	35882	Seq. ID	OJ990708_01.9A01.C4
Gene No.	73962	Strand	-
Start	2670	End	4873
Name	OJ990708_01.9A01.C4.o3.np	Method	AAT/NAP
Start	2670	End	4873
GI	6069653	Score	1158
Exons	2670..3709, 3794..4637, 4672..4873		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73963	Strand	+
Start	690	End	2821
Name	OJ990708_01.9A01.C5.o1.gs	Method	GENSCAN
Start	690	End	2821
GI	none	Score	.61
Exons	690..1055, 1796..1823, 2402..2497, 2748..2821		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73963	Strand	+
Start	690	End	2821
Name	OJ990708_01.9A01.C5.o1.gp	Method	AAT/GAP
Start	2302	End	2559
GI	427610	Score	420
Exons	2302..2559		
GI Descrip.	5852172/emb\|CAB55410.1\| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73964	Strand	+
Start	18037	End	18149
Name	OJ990708_01.9A01.C5.o5.np	Method	AAT/NAP
Start	18037	End	18149

GI	6815099	Score	102
Exons	18037..18149		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73965	Strand	-
Start	2047	End	2235
Name	OJ990708_01.9A01.C5.o1.np	Method	AAT/NAP
Start	2047	End	2235
GI	6630696	Score	196
Exons	2047..2235		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73966	Strand	-
Start	2411	End	2542
Name	OJ990708_01.9A01.C5.o2.np	Method	AAT/NAP
Start	2411	End	2542
GI	5852172	Score	132
Exons	2411..2542		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73967	Strand	-
Start	4743	End	19612
Name	OJ990708_01.9A01.C5.o4.tm	Method	TBLASTX:Maize
Start	1896	End	2176
GI	none	Score	100
Exons	1896..2078, 1940..2077, 1948..2082, 1951..2082, 2082..2174, 2083..2175, 2084..2176		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73967	Strand	-
Start	4743	End	19612
Name	OJ990708_01.9A01.C5.o3.np	Method	AAT/NAP
Start	4743	End	9561
GI	2924781	Score	583
Exons	4743..4767, 7324..8073, 8231..8277, 9540..9561		
GI Descrip.	(AC002334) putative cellulose synthase [Arabidopsis thaliana]		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73967	Strand	-
Start	4743	End	19612
Name	OJ990708_01.9A01.C5.o2.ts	Method	TBLASTX:Soybean
Start	7298	End	14419
GI	none	Score	63
Exons	7298..7417, 7325..7420, 7326..7418, 7436..7663, 7467..7664, 7664..7801, 7668..7793, 13919..14020, 13919..14020, 13929..14021, 14042..14254, 14049..14162, 14217..14255, 14255..14419, 14259..14417		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73967	Strand	-
Start	4743	End	19612
Name	OJ990708_01.9A01.C5.o2.tm	Method	TBLASTX:Maize

Start	7325	End	14594
GI	none	Score	76
Exons	7325..7417, 7325..7420, 7436..7861, 7445..7687, 7467..7787, 7877..7936, 7936..8004, 13919..14008, 13919..14020, 13929..14021, 14042..14449, 14045..14371, 14055..14435, 14460..14594, 14471..14593		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73967	Strand	-
Start	4743	End	19612
Name	OJ990708_01.9A01.C5.o3.tw	Method	TBLASTX:Wheat
Start	7385	End	14273
GI	none	Score	86
Exons	7385..7426, 7472..7681, 7587..7682, 13979..14005, 14063..14272, 14082..14117, 14217..14273		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73967	Strand	-
Start	4743	End	19612
Name	OJ990708_01.9A01.C5.o2.tc	Method	TBLASTX:Cress
Start	7385	End	14668
GI	none	Score	40
Exons	7385..7411, 7412..7546, 7472..7801, 7587..7793, 7936..8037, 13396..13689, 13397..13723, 13397..13726, 13979..14005, 14052..14147, 14081..14668, 14188..14361, 14189..14371, 14217..14426		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73967	Strand	-
Start	4743	End	19612
Name	OJ990708_01.9A01.C5.o3.gs	Method	GENSCAN
Start	8693	End	19612
GI	none	Score	.61
Exons	8693..8886, 11102..11253, 12348..13780, 13922..14663, 15299..15641, 19262..19408, 19444..19612		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73967	Strand	-
Start	4743	End	19612
Name	OJ990708_01.9A01.C5.o4.np	Method	AAT/NAP
Start	12171	End	16524
GI	6714431	Score	1586
Exons	12171..13753, 13906..14679, 16473..16524		
GI Descrip.	(AC012328) putative cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73967	Strand	-
Start	4743	End	19612
Name	OJ990708_01.9A01.C5.o4.tw	Method	TBLASTX:Wheat
Start	12210	End	12406
GI	none	Score	172
Exons	12210..12404, 12261..12404, 12287..12406, 12287..12406		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73967	Strand	-
Start	4743	End	19612

Name	OJ990708_01.9A01.C5.o1.tm	Method	TBLASTX:Maize
Start	12222	End	13283
GI	none	Score	50
Exons	12222..12392, 12299..12364, 12416..13171, 12465..12743, 12788..13126, 12828..13172, 13188..13283		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73967	Strand	-
Start	4743	End	19612
Name	OJ990708_01.9A01.C5.o3.ts	Method	TBLASTX:Soybean
Start	12299	End	13051
GI	none	Score	94
Exons	12299..12361, 12425..12535, 12539..12895, 12875..13048, 12885..13046, 12906..13049, 12914..13051		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73967	Strand	-
Start	4743	End	19612
Name	OJ990708_01.9A01.C5.o1.tw	Method	TBLASTX:Wheat
Start	12407	End	12896
GI	none	Score	214
Exons	12407..12895, 12408..12677, 12534..12896, 12698..12895, 12726..12896		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73967	Strand	-
Start	4743	End	19612
Name	OJ990708_01.9A01.C5.o1.tc	Method	TBLASTX:Cress
Start	12479	End	13378
GI	none	Score	71
Exons	12479..12817, 12492..12647, 12821..12913, 12890..13153, 12909..13172, 13188..13274, 13301..13378		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73967	Strand	-
Start	4743	End	19612
Name	OJ990708_01.9A01.C5.o1.ts	Method	TBLASTX:Soybean
Start	13055	End	13717
GI	none	Score	62
Exons	13055..13171, 13065..13172, 13188..13274, 13255..13491, 13289..13495, 13293..13490, 13496..13717, 13584..13712		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73967	Strand	-
Start	4743	End	19612
Name	OJ990708_01.9A01.C5.o3.tm	Method	TBLASTX:Maize
Start	13301	End	13759
GI	none	Score	144
Exons	13301..13759, 13302..13532, 13540..13635		

Seq. No.	35883	Seq. ID	OJ990708_01.9A01.C5
Gene No.	73967	Strand	-
Start	4743	End	19612
Name	OJ990708_01.9A01.C5.o2.tw	Method	TBLASTX:Wheat
Start	13343	End	13703
GI	none	Score	71
Exons	13343..13495, 13364..13489, 13447..13674, 13496..13699,		

13596..13703

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73968	Strand	+
Start	20909	End	24726
Name	OJ990708_01.9A01.C6.o3.np	Method	AAT/NAP
Start	20909	End	24404
GI	5295951	Score	168
Exons	20909..21132, 24356..24404		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73968	Strand	+
Start	20909	End	24726
Name	OJ990708_01.9A01.C6.o4.np	Method	AAT/NAP
Start	23385	End	24726
GI	2832681	Score	325
Exons	23385..23439, 23927..24025, 24135..24187, 24459..24532, 24684..24726		
GI Descrip.	(AL021712) putative protein [Arabidopsis thaliana]		

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73969	Strand	-
Start	151	End	11555
Name	OJ990708_01.9A01.C6.o1.np	Method	AAT/NAP
Start	151	End	11555
GI	3445397	Score	1589
Exons	151..235, 1518..2185, 9860..11555		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73970	Strand	-
Start	13886	End	16357
Name	OJ990708_01.9A01.C6.o2.np	Method	AAT/NAP
Start	13886	End	16357
GI	3445397	Score	3717
Exons	13886..16357		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73971	Strand	-
Start	25449	End	25650
Name	OJ990708_01.9A01.C6.o1.tc	Method	TBLASTX:Cress
Start	1556	End	16201
GI	none	Score	97
Exons	1556..1711, 1557..1784, 1718..1789, 1809..2156, 1820..2146, 9897..10022, 9996..10127, 10557..10799, 10848..10973, 10998..11039, 11088..11132, 11226..11417, 11229..11297, 14015..14263, 14042..14221, 14277..14540, 14279..14809, 14280..14600, 14621..14806, 14634..14810, 15350..15589, 15500..15586, 15638..15736, 15638..15760, 15770..15835, 15878..15919, 16049..16201		

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73971	Strand	-
Start	25449	End	25650

Name	OJ990708_01.9A01.C6.o1.tm	Method	TBLASTX:Maize
Start	1559	End	14628
GI	none	Score	93
Exons	1559..1717, 1578..1742, 1721..1804, 1722..1790, 1802..2146, 1818..2144, 14015..14248, 14034..14246, 14249..14599, 14259..14606, 14359..14628		

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73971	Strand	-
Start	25449	End	25650
Name	OJ990708_01.9A01.C6.o3.ts	Method	TBLASTX:Soybean
Start	1640	End	14465
GI	none	Score	153
Exons	1640..1717, 1695..2006, 1751..1984, 1769..2008, 14096..14218, 14157..14234, 14210..14425, 14210..14443, 14223..14465		

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73971	Strand	-
Start	25449	End	25650
Name	OJ990708_01.9A01.C6.o1.tw	Method	TBLASTX:Wheat
Start	1877	End	14750
GI	none	Score	55
Exons	1877..1939, 1878..1934, 1940..2152, 1965..2156, 14336..14398, 14399..14599, 14424..14576, 14597..14749, 14619..14750		

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73971	Strand	-
Start	25449	End	25650
Name	OJ990708_01.9A01.C6.o1.ts	Method	TBLASTX:Soybean
Start	2009	End	15026
GI	none	Score	156
Exons	2009..2146, 2010..2153, 2035..2154, 9895..10140, 9897..10169, 10147..10221, 14468..14620, 14475..14594, 14489..14599, 14603..14959, 14614..14733, 14619..14921, 15009..15026		

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73971	Strand	-
Start	25449	End	25650
Name	OJ990708_01.9A01.C6.o6.tm	Method	TBLASTX:Maize
Start	9897	End	14765
GI	none	Score	150
Exons	9897..9974, 14630..14764, 14631..14765		

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73971	Strand	-
Start	25449	End	25650
Name	OJ990708_01.9A01.C6.o3.tm	Method	TBLASTX:Maize
Start	9978	End	15082
GI	none	Score	111
Exons	9978..10127, 9988..10101, 14765..15076, 14765..14968, 14769..15074, 15047..15082		

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73971	Strand	-
Start	25449	End	25650
Name	OJ990708_01.9A01.C6.o2.tw	Method	TBLASTX:Wheat
Start	10383	End	15532

GI	none	Score	106
Exons	10383..10451, 10506..10736, 15137..15208, 15314..15532, 15324..15479		

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73971	Strand	-
Start	25449	End	25650
Name	OJ990708_01.9A01.C6.o5.tm	Method	TBLASTX:Maize
Start	10383	End	15532
GI	none	Score	81
Exons	10383..10448, 10518..10640, 10629..10799, 15167..15208, 15317..15427, 15449..15532		

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73971	Strand	-
Start	25449	End	25650
Name	OJ990708_01.9A01.C6.o2.ts	Method	TBLASTX:Soybean
Start	10509	End	15665
GI	none	Score	78
Exons	10509..10739, 10555..10731, 10740..10877, 15314..15529, 15329..15388, 15333..15515, 15464..15526, 15536..15664, 15539..15658, 15540..15665		

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73971	Strand	-
Start	25449	End	25650
Name	OJ990708_01.9A01.C6.o4.ts	Method	TBLASTX:Soybean
Start	10998	End	16186
GI	none	Score	84
Exons	10998..11198, 11002..11127, 11181..11303, 11257..11280, 11301..11453, 11320..11457, 15788..15931, 16031..16090, 16103..16186		

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73971	Strand	-
Start	25449	End	25650
Name	OJ990708_01.9A01.C6.o2.tm	Method	TBLASTX:Maize
Start	11121	End	16396
GI	none	Score	39
Exons	11121..11171, 11253..11420, 11406..11492, 15960..16025, 15962..16024, 15988..16026, 16015..16149, 16017..16166, 16022..16300, 16023..16172, 16205..16300, 16212..16301, 16334..16396, 16335..16367, 16346..16369		

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73971	Strand	-
Start	25449	End	25650
Name	OJ990708_01.9A01.C6.o2.tc	Method	TBLASTX:Cress
Start	23366	End	24544
GI	none	Score	95
Exons	23366..23443, 23373..23438, 23926..24024, 23928..24020, 24137..24187, 24441..24533, 24455..24544, 24461..24529		

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73971	Strand	-
Start	25449	End	25650
Name	OJ990708_01.9A01.C6.o4.tm	Method	TBLASTX:Maize

Start	23383	End	24533
GI	none	Score	97
Exons	23383..23436, 23384..23443, 23385..23438, 23387..23443, 23926..24024, 23928..24023, 24137..24187, 24441..24533, 24458..24532		

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73971	Strand	-
Start	25449	End	25650
Name	OJ990708_01.9A01.C6.o3.tw	Method	TBLASTX:Wheat
Start	23390	End	24533
GI	none	Score	76
Exons	23390..23443, 23391..23438, 23396..23443, 23926..24024, 23928..24020, 24136..24186, 24137..24187, 24441..24533, 24461..24532		

Seq. No.	35884	Seq. ID	OJ990708_01.9A01.C6
Gene No.	73971	Strand	-
Start	25449	End	25650
Name	OJ990708_01.9A01.C6.o3.gs	Method	GENSCAN
Start	25449	End	25650
GI	none	Score	.9
Exons	25449..25650		

Seq. No.	35885	Seq. ID	OJ990708_01.9A01.C7
Gene No.	73972	Strand	+
Start	919	End	1857
Name	OJ990708_01.9A01.C7.o1.gs	Method	GENSCAN
Start	919	End	1857
GI	none	Score	.99
Exons	919..1857		

Seq. No.	35885	Seq. ID	OJ990708_01.9A01.C7
Gene No.	73973	Strand	+
Start	16358	End	21240
Name	OJ990708_01.9A01.C7.o2.np	Method	AAT/NAP
Start	14993	End	15297
GI	6815099	Score	84
Exons	14993..15297		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	35885	Seq. ID	OJ990708_01.9A01.C7
Gene No.	73973	Strand	+
Start	16358	End	21240
Name	OJ990708_01.9A01.C7.o5.gs	Method	GENSCAN
Start	16358	End	21240
GI	none	Score	.94
Exons	16358..17539, 18953..19040, 20855..21240		

Seq. No.	35885	Seq. ID	OJ990708_01.9A01.C7
Gene No.	73974	Strand	-
Start	3145	End	9726
Name	OJ990708_01.9A01.C7.o2.gs	Method	GENSCAN
Start	3145	End	9597
GI	none	Score	.56
Exons	3145..3311, 4327..4374, 4730..4905, 6734..6810, 6872..7039, 7561..7613, 8588..8651, 9424..9597		

Seq. No.	35885	Seq. ID	OJ990708_01.9A01.C7
Gene No.	73974	Strand	-
Start	3145	End	9726
Name	OJ990708_01.9A01.C7.o1.np	Method	AAT/NAP
Start	4300	End	9726
GI	6554178	Score	205
Exons	4300..4330, 7084..7181, 7561..7684, 8587..8651, 9300..9512, 9603..9726		
GI Descrip.	(AC011661) T23J18.4 [Arabidopsis thaliana]		

Seq. No.	35885	Seq. ID	OJ990708_01.9A01.C7
Gene No.	73975	Strand	-
Start	12469	End	13198
Name	OJ990708_01.9A01.C7.o1.tm	Method	TBLASTX:Maize
Start	6797	End	6983
GI	none	Score	248
Exons	6797..6982, 6798..6983		

Seq. No.	35885	Seq. ID	OJ990708_01.9A01.C7
Gene No.	73975	Strand	-
Start	12469	End	13198
Name	OJ990708_01.9A01.C7.o1.ts	Method	TBLASTX:Soybean
Start	6890	End	8650
GI	none	Score	76
Exons	6890..7021, 6891..7010, 7116..7193, 7120..7182, 7561..7728, 8588..8650		

Seq. No.	35885	Seq. ID	OJ990708_01.9A01.C7
Gene No.	73975	Strand	-
Start	12469	End	13198
Name	OJ990708_01.9A01.C7.o2.tm	Method	TBLASTX:Maize
Start	6984	End	9541
GI	none	Score	52
Exons	6984..7019, 6986..7021, 6986..7021, 7114..7182, 7115..7183, 7116..7193, 7560..7679, 7561..7749, 7561..7728, 8559..8651, 8583..8693, 8588..8674, 9160..9231, 9315..9383, 9316..9384, 9428..9541, 9439..9540		

Seq. No.	35885	Seq. ID	OJ990708_01.9A01.C7
Gene No.	73975	Strand	-
Start	12469	End	13198
Name	OJ990708_01.9A01.C7.o3.gs	Method	GENSCAN
Start	12469	End	13198
GI	none	Score	.62
Exons	12469..12760, 12888..13006, 13082..13198		

Seq. No.	35885	Seq. ID	OJ990708_01.9A01.C7
Gene No.	73976	Strand	
Start	16396	End	21255
Name	OJ990708_01.9A01.C7.o3.tm	Method	TBLASTX:Maize
Start	16396	End	21255
GI	none	Score	121
Exons	16396..16482, 16400..16501, 16424..16504, 16540..16578, 21016..21255		

Seq. No.	35886	Seq. ID	OJ990708_01.9A01.C9

Gene No.	73977	Strand	+
Start	358	End	3118
Name	OJ990708_01.9A01.C9.o1.gs	Method	GENSCAN
Start	358	End	3118
GI	none	Score	.44
Exons	358..406, 436..457, 459..1821, 1844..2006, 2153..2211, 3068..3118		

Seq. No.	35886	Seq. ID	OJ990708_01.9A01.C9
Gene No.	73977	Strand	+
Start	358	End	3118
Name	OJ990708_01.9A01.C9.o1.np	Method	AAT/NAP
Start	432	End	2039
GI	6056428	Score	1061
Exons	432..2039		
GI Descrip.	(AC009525) Very similar to cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	35886	Seq. ID	OJ990708_01.9A01.C9
Gene No.	73977	Strand	+
Start	358	End	3118
Name	OJ990708_01.9A01.C9.o1.ts	Method	TBLASTX:Soybean
Start	447	End	1181
GI	none	Score	302
Exons	447..725, 499..726, 726..875, 727..921, 1029..1181, 1036..1179		

Seq. No.	35886	Seq. ID	OJ990708_01.9A01.C9
Gene No.	73977	Strand	+
Start	358	End	3118
Name	OJ990708_01.9A01.C9.o2.tc	Method	TBLASTX:Cress
Start	479	End	2284
GI	none	Score	38
Exons	479..517, 525..716, 526..717, 730..822, 1865..1942, 2234..2284		

Seq. No.	35886	Seq. ID	OJ990708_01.9A01.C9
Gene No.	73977	Strand	+
Start	358	End	3118
Name	OJ990708_01.9A01.C9.o2.tw	Method	TBLASTX:Wheat
Start	508	End	876
GI	none	Score	280
Exons	508..726, 516..725, 726..875, 727..876		

Seq. No.	35886	Seq. ID	OJ990708_01.9A01.C9
Gene No.	73977	Strand	+
Start	358	End	3118
Name	OJ990708_01.9A01.C9.o2.tm	Method	TBLASTX:Maize
Start	525	End	921
GI	none	Score	276
Exons	525..728, 526..717, 729..875, 730..921		

Seq. No.	35886	Seq. ID	OJ990708_01.9A01.C9
Gene No.	73977	Strand	+
Start	358	End	3118
Name	OJ990708_01.9A01.C9.o1.tc	Method	TBLASTX:Cress
Start	841	End	1755
GI	none	Score	103
Exons	841..921, 1029..1340, 1036..1344, 1330..1410, 1417..1755,		

1464..1682, 1710..1742

Seq. No.	35886	Seq. ID	OJ990708_01.9A01.C9
Gene No.	73977	Strand	+
Start	358	End	3118
Name	OJ990708_01.9A01.C9.o1.tm	Method	TBLASTX:Maize
Start	1029	End	1942
GI	none	Score	622
Exons	1029..1454, 1036..1776, 1494..1766, 1542..1781, 1862..1942		

Seq. No.	35886	Seq. ID	OJ990708_01.9A01.C9
Gene No.	73977	Strand	+
Start	358	End	3118
Name	OJ990708_01.9A01.C9.o2.ts	Method	TBLASTX:Soybean
Start	1188	End	1930
GI	none	Score	147
Exons	1188..1310, 1189..1314, 1336..1689, 1515..1685, 1699..1776, 1865..1930		

Seq. No.	35886	Seq. ID	OJ990708_01.9A01.C9
Gene No.	73977	Strand	+
Start	358	End	3118
Name	OJ990708_01.9A01.C9.o1.tw	Method	TBLASTX:Wheat
Start	1338	End	1776
GI	none	Score	674
Exons	1338..1766, 1339..1776		

Seq. No.	35887	Seq. ID	OJ990708_01.9A01.C10
Gene No.	73978	Strand	-
Start	1	End	1472
Name	OJ990708_01.9A01.C10.o1.np	Method	AAT/NAP
Start	1	End	1472
GI	5257273	Score	205
Exons	1..33, 1013..1472		
GI Descrip.	(AP000364) Similar to myristoylated alanine-rich C-kinase substrate. (P26645) [Oryza sativa]		

Seq. No.	35888	Seq. ID	OJ990708_01.9A01.C11
Gene No.	73979	Strand	+
Start	6304	End	7599
Name	OJ990708_01.9A01.C11.o3.np	Method	AAT/NAP
Start	6304	End	7599
GI	421954	Score	672
Exons	6304..7471, 7514..7599		
GI Descrip.	hypothetical protein 3 - potato transposon Tst1 gi\|21433\|emb\|CAA36615\| (X52387) ORF3 [Solanum tuberosum]		

Seq. No.	35888	Seq. ID	OJ990708_01.9A01.C11
Gene No.	73980	Strand	-
Start	1	End	7468
Name	OJ990708_01.9A01.C11.o1.np	Method	AAT/NAP
Start	1	End	4649
GI	2583130	Score	1495
Exons	1..33, 815..1245, 1304..4649		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	35888	Seq. ID	OJ990708_01.9A01.C11
Gene No.	73980	Strand	-
Start	1	End	7468
Name	OJ990708_01.9A01.C11.o1.gs	Method	GENSCAN
Start	1085	End	7132
GI	none	Score	.46
Exons	1085..2675, 2753..2799, 3011..3301, 3398..3564, 3593..3950, 4068..4574, 4727..5280, 5465..5899, 7044..7132		

Seq. No.	35888	Seq. ID	OJ990708_01.9A01.C11
Gene No.	73980	Strand	-
Start	1	End	7468
Name	OJ990708_01.9A01.C11.o4.tw	Method	TBLASTX:Wheat
Start	1316	End	1723
GI	none	Score	72
Exons	1316..1723, 1346..1474		

Seq. No.	35888	Seq. ID	OJ990708_01.9A01.C11
Gene No.	73980	Strand	-
Start	1	End	7468
Name	OJ990708_01.9A01.C11.o2.ts	Method	TBLASTX:Soybean
Start	2030	End	2422
GI	none	Score	177
Exons	2030..2086, 2066..2422		

Seq. No.	35888	Seq. ID	OJ990708_01.9A01.C11
Gene No.	73980	Strand	-
Start	1	End	7468
Name	OJ990708_01.9A01.C11.o5.tw	Method	TBLASTX:Wheat
Start	2114	End	2335
GI	none	Score	161
Exons	2114..2335, 2118..2330		

Seq. No.	35888	Seq. ID	OJ990708_01.9A01.C11
Gene No.	73980	Strand	-
Start	1	End	7468
Name	OJ990708_01.9A01.C11.o2.tm	Method	TBLASTX:Maize
Start	2153	End	2534
GI	none	Score	128
Exons	2153..2524, 2163..2534		

Seq. No.	35888	Seq. ID	OJ990708_01.9A01.C11
Gene No.	73980	Strand	-
Start	1	End	7468
Name	OJ990708_01.9A01.C11.o2.tw	Method	TBLASTX:Wheat
Start	2336	End	2720
GI	none	Score	187
Exons	2336..2719, 2364..2720		

Seq. No.	35888	Seq. ID	OJ990708_01.9A01.C11
Gene No.	73980	Strand	-
Start	1	End	7468
Name	OJ990708_01.9A01.C11.o3.tm	Method	TBLASTX:Maize
Start	2684	End	3316
GI	none	Score	85
Exons	2684..2824, 2882..3157, 3173..3316		

Seq. No.	35888	Seq. ID	OJ990708_01.9A01.C11
Gene No.	73980	Strand	-
Start	1	End	7468
Name	OJ990708_01.9A01.C11.o3.ts	Method	TBLASTX:Soybean
Start	2840	End	3157
GI	none	Score	188
Exons	2840..3157		

Seq. No.	35888	Seq. ID	OJ990708_01.9A01.C11
Gene No.	73980	Strand	-
Start	1	End	7468
Name	OJ990708_01.9A01.C11.o1.tw	Method	TBLASTX:Wheat
Start	2891	End	3272
GI	none	Score	176
Exons	2891..3058, 2892..3071, 2910..3071, 3053..3271, 3093..3137, 3180..3272		

Seq. No.	35888	Seq. ID	OJ990708_01.9A01.C11
Gene No.	73980	Strand	-
Start	1	End	7468
Name	OJ990708_01.9A01.C11.o6.tw	Method	TBLASTX:Wheat
Start	4158	End	4544
GI	none	Score	51
Exons	4158..4349, 4207..4344, 4353..4544, 4435..4476		

Seq. No.	35888	Seq. ID	OJ990708_01.9A01.C11
Gene No.	73980	Strand	-
Start	1	End	7468
Name	OJ990708_01.9A01.C11.o4.tm	Method	TBLASTX:Maize
Start	6466	End	6784
GI	none	Score	96
Exons	6466..6540, 6486..6539, 6569..6649, 6622..6663, 6652..6774, 6659..6778, 6659..6784, 6660..6779		

Seq. No.	35888	Seq. ID	OJ990708_01.9A01.C11
Gene No.	73980	Strand	-
Start	1	End	7468
Name	OJ990708_01.9A01.C11.o1.tm	Method	TBLASTX:Maize
Start	6794	End	7468
GI	none	Score	68
Exons	6794..6862, 6872..7468, 6896..7093, 6940..7176, 7198..7458		

Seq. No.	35888	Seq. ID	OJ990708_01.9A01.C11
Gene No.	73980	Strand	-
Start	1	End	7468
Name	OJ990708_01.9A01.C11.o3.tw	Method	TBLASTX:Wheat
Start	6803	End	7411
GI	none	Score	274
Exons	6803..7189, 6820..7185, 7204..7281, 7205..7294, 7289..7411		

Seq. No.	35888	Seq. ID	OJ990708_01.9A01.C11
Gene No.	73980	Strand	-
Start	1	End	7468
Name	OJ990708_01.9A01.C11.o1.ts	Method	TBLASTX:Soybean
Start	6968	End	7429
GI	none	Score	278
Exons	6968..7429, 7042..7269		

Seq. No.	35888	Seq. ID	OJ990708_01.9A01.C11
Gene No.	73980	Strand	-
Start	1	End	7468
Name	OJ990708_01.9A01.C11.o1.tc	Method	TBLASTX:Cress
Start	6983	End	7432
GI	none	Score	284
Exons	6983..7432, 6985..7182		

Seq. No.	35889	Seq. ID	OJ990708_01.9A01.C12
Gene No.	73981	Strand	+
Start	280	End	413
Name	OJ990708_01.9A01.C12.o1.gp	Method	AAT/GAP
Start	280	End	413
GI	uC-osf1cyp112c08a1	Score	268
Exons	280..413		
GI Descrip.	'4115936/gb\|AAD03446.1\| 1.0e-32 (AF118223) No definition line found [Arabidopsis thaliana]'		

Seq. No.	35890	Seq. ID	OJ990708_01.9A01.C13
Gene No.	73982	Strand	-
Start	186	End	560
Name	OJ990708_01.9A01.C13.o1.np	Method	AAT/NAP
Start	186	End	560
GI	4115936	Score	138
Exons	186..273, 433..560		
GI Descrip.	(AF118223) No definition line found [Arabidopsis thaliana]		

Seq. No.	35891	Seq. ID	OJ990708_01.9A01.C14
Gene No.	73983	Strand	-
Start	1	End	664
Name	OJ990708_01.9A01.C14.o1.np	Method	AAT/NAP
Start	1	End	664
GI	6056428	Score	514
Exons	1..664		
GI Descrip.	(AC009525) Very similar to cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	35891	Seq. ID	OJ990708_01.9A01.C14
Gene No.	73983	Strand	-
Start	1	End	664
Name	OJ990708_01.9A01.C14.o1.tw	Method	TBLASTX:Wheat
Start	16	End	478
GI	none	Score	544
Exons	16..477, 17..478		

Seq. No.	35891	Seq. ID	OJ990708_01.9A01.C14
Gene No.	73983	Strand	-
Start	1	End	664
Name	OJ990708_01.9A01.C14.o1.tm	Method	TBLASTX:Maize
Start	28	End	658
GI	none	Score	149
Exons	28..657, 32..322, 362..658		

Seq. No.	35891	Seq. ID	OJ990708_01.9A01.C14
Gene No.	73983	Strand	-
Start	1	End	664

Name	OJ990708_01.9A01.C14.o1.ts	Method	TBLASTX:Soybean
Start	28	End	657
GI	none	Score	77
Exons	28..117, 127..480, 131..301, 502..657, 506..652		

Seq. No.	35891	Seq. ID	OJ990708_01.9A01.C14
Gene No.	73983	Strand	-
Start	1	End	664
Name	OJ990708_01.9A01.C14.o1.tc	Method	TBLASTX:Cress
Start	61	End	658
GI	none	Score	36
Exons	61..399, 74..106, 134..352, 406..486, 472..657, 476..658		

Seq. No.	35892	Seq. ID	OJ990818_04.9A01.C1
Gene No.	73984	Strand	+
Start	413	End	550
Name	OJ990818_04.9A01.C1.o1.gs	Method	GENSCAN
Start	413	End	550
GI	none	Score	.49
Exons	413..550		

Seq. No.	35893	Seq. ID	OJ990818_04.9A01.C3
Gene No.	73985	Strand	+
Start	455	End	524
Name	OJ990818_04.9A01.C3.o1.gp	Method	AAT/GAP
Start	455	End	524
GI	LIB3477-003-P1-K1-E9	Score	115
Exons	455..524		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	35894	Seq. ID	OJ990818_04.9A01.C4
Gene No.	73986	Strand	+
Start	1826	End	2002
Name	OJ990818_04.9A01.C4.o1.gs	Method	GENSCAN
Start	1826	End	2002
GI	none	Score	.5
Exons	1826..1903, 1988..2002		

Seq. No.	35894	Seq. ID	OJ990818_04.9A01.C4
Gene No.	73987	Strand	+
Start	2689	End	2751
Name	OJ990818_04.9A01.C4.o1.gp	Method	AAT/GAP
Start	2689	End	2751
GI	557_1.R1084	Score	62
Exons	2689..2751		
GI Descrip.	'576771/gb\|U16256\|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	35894	Seq. ID	OJ990818_04.9A01.C4
Gene No.	73988	Strand	+
Start	4520	End	10531
Name	OJ990818_04.9A01.C4.o2.gs	Method	GENSCAN
Start	4520	End	10531
GI	none	Score	.8
Exons	4520..5027, 5152..5365, 5432..5648, 5788..5853, 6078..6146,		

7384..7414, 8058..8191, 10433..10531

Seq. No.	35894	Seq. ID	OJ990818_04.9A01.C4
Gene No.	73988	Strand	+
Start	4520	End	10531
Name	OJ990818_04.9A01.C4.o1.np	Method	AAT/NAP
Start	5526	End	6614
GI	2673918	Score	288
Exons	5526..5648, 5788..5853, 6078..6146, 6558..6614		
GI Descrip.	(AC002561) unknown protein [Arabidopsis thaliana]		

Seq. No.	35894	Seq. ID	OJ990818_04.9A01.C4
Gene No.	73988	Strand	+
Start	4520	End	10531
Name	OJ990818_04.9A01.C4.o2.gp	Method	AAT/GAP
Start	6580	End	7148
GI	81056_1.R1084	Score	835
Exons	6580..7148		
GI Descrip.	'576771/gb\|U16256\|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	35894	Seq. ID	OJ990818_04.9A01.C4
Gene No.	73989	Strand	+
Start	16046	End	23862
Name	OJ990818_04.9A01.C4.o3.np	Method	AAT/NAP
Start	16046	End	20438
GI	5295955	Score	347
Exons	16046..16417, 17802..17864, 18402..18515, 19196..19261, 19315..19663, 19793..20438		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	35894	Seq. ID	OJ990818_04.9A01.C4
Gene No.	73989	Strand	+
Start	16046	End	23862
Name	OJ990818_04.9A01.C4.o5.gs	Method	GENSCAN
Start	17626	End	23862
GI	none	Score	.47
Exons	17626..17660, 17776..17932, 18338..18456, 19201..19357, 19397..19823, 21316..21626, 21685..21736, 23795..23862		

Seq. No.	35894	Seq. ID	OJ990818_04.9A01.C4
Gene No.	73990	Strand	-
Start	11663	End	13494
Name	OJ990818_04.9A01.C4.o3.gs	Method	GENSCAN
Start	11663	End	13494
GI	none	Score	.65
Exons	11663..11770, 13489..13494		

Seq. No.	35894	Seq. ID	OJ990818_04.9A01.C4
Gene No.	73991	Strand	-
Start	15909	End	16406
Name	OJ990818_04.9A01.C4.o4.gs	Method	GENSCAN
Start	15909	End	16406
GI	none	Score	.9
Exons	15909..16406		

Seq. No.	35894	Seq. ID	OJ990818_04.9A01.C4
Gene No.	73991	Strand	-
Start	15909	End	16406
Name	OJ990818_04.9A01.C4.o2.np	Method	AAT/NAP
Start	15912	End	16406
GI	3873677	Score	235
Exons	15912..16406		
GI Descrip.	(Z71178) Similarity with yeast hypothetical protein (Swiss Prot accession number P43577) [Caenorhabditis elegans] gi\|4115737\|dbj\|BAA36497\| (AB017628) acetyltransferase [Caenorhabditis elegans]		

Seq. No.	35894	Seq. ID	OJ990818_04.9A01.C4
Gene No.	73992	Strand	-
Start	23248	End	23740
Name	OJ990818_04.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	4582	End	5182
GI	none	Score	93
Exons	4582..4644, 4583..4645, 4735..4770, 4736..4774, 4783..4809, 4784..4810, 4895..4918, 4897..4941, 4964..5032, 4987..5028, 5150..5182		

Seq. No.	35894	Seq. ID	OJ990818_04.9A01.C4
Gene No.	73992	Strand	-
Start	23248	End	23740
Name	OJ990818_04.9A01.C4.o3.gp	Method	AAT/GAP
Start	23248	End	23740
GI	576771	Score	851
Exons	23248..23458, 23485..23740		
GI Descrip.	576771/gb\|U16256\|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	73993	Strand	+
Start	1017	End	1247
Name	OJ990818_04.9A01.C5.o1.gs	Method	GENSCAN
Start	1017	End	1247
GI	none	Score	1
Exons	1017..1247		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	73994	Strand	+
Start	1533	End	4391
Name	OJ990818_04.9A01.C5.o2.gs	Method	GENSCAN
Start	1533	End	4283
GI	none	Score	.75
Exons	1533..1721, 1767..1791, 2107..2270, 2564..2743, 2884..3027, 3061..3330, 3354..3414, 3719..3833, 3887..3987, 4096..4283		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	73994	Strand	+
Start	1533	End	4391
Name	OJ990818_04.9A01.C5.o2.np	Method	AAT/NAP
Start	1546	End	4391
GI	5922620	Score	680
Exons	1546..1762, 2616..2800, 2848..3024, 3061..3177, 4284..4391		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa]
gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514)
corresponds to a region of the predicted gene.; hypothetical
protein [Oryza sativa]

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	73995	Strand	+
Start	4654	End	8795
Name	OJ990818_04.9A01.C5.o3.gs	Method	GENSCAN
Start	4654	End	8795
GI	none	Score	.46
Exons	4654..4842, 4888..4912, 6227..6290, 8324..8511, 8581..8795		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5				
Gene No.	73995	Strand	+				
Start	4654	End	8795				
Name	OJ990818_04.9A01.C5.o4.np	Method	AAT/NAP				
Start	4667	End	6524				
GI	5922620	Score	189				
Exons	4667..4848, 6489..6524						
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi	6016853	dbj	BAA85196.1	(AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	73996	Strand	+
Start	9893	End	11342
Name	OJ990818_04.9A01.C5.o5.gs	Method	GENSCAN
Start	9893	End	11342
GI	none	Score	.79
Exons	9893..10087, 10105..10317, 10532..10669, 10725..10811, 10905..11342		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	73997	Strand	+
Start	13718	End	18248
Name	OJ990818_04.9A01.C5.o5.np	Method	AAT/NAP
Start	13204	End	18248
GI	4586112	Score	960
Exons	13204..13248, 14069..14354, 14409..14504, 15578..15949, 16117..16344, 16444..16709, 18190..18248		
GI Descrip.	(AL049638) putative protein [Arabidopsis thaliana]		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	73997	Strand	+
Start	13718	End	18248
Name	OJ990818_04.9A01.C5.o6.gs	Method	GENSCAN
Start	13718	End	16893
GI	none	Score	.79
Exons	13718..14504, 15639..15949, 16117..16344, 16444..16893		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	73998	Strand	+
Start	39797	End	42321
Name	OJ990818_04.9A01.C5.o10.gs	Method	GENSCAN

Start	39797	End	42321
GI	none	Score	.48
Exons	39797..39948, 41094..41285, 41630..41637, 42080..42321		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	73999	Strand	+
Start	52247	End	53662
Name	OJ990818_04.9A01.C5.o13.gs	Method	GENSCAN
Start	52247	End	53662
GI	none	Score	.71
Exons	52247..52487, 52876..53007, 53323..53453, 53645..53662		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74000	Strand	+
Start	58875	End	60270
Name	OJ990818_04.9A01.C5.o15.gs	Method	GENSCAN
Start	58875	End	60270
GI	none	Score	.74
Exons	58875..58933, 59937..60270		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74001	Strand	-
Start	1408	End	1486
Name	OJ990818_04.9A01.C5.o1.np	Method	AAT/NAP
Start	1408	End	1486
GI	6630699	Score	73
Exons	1408..1486		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74002	Strand	-
Start	4529	End	4612
Name	OJ990818_04.9A01.C5.o3.np	Method	AAT/NAP
Start	4529	End	4612
GI	6630699	Score	71
Exons	4529..4612		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74003	Strand	-
Start	9182	End	9547
Name	OJ990818_04.9A01.C5.o4.gs	Method	GENSCAN
Start	9182	End	9547
GI	none	Score	.77
Exons	9182..9547		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74004	Strand	-
Start	17160	End	26305
Name	OJ990818_04.9A01.C5.o1.gp	Method	AAT/GAP
Start	17160	End	17576
GI	3759631	Score	794
Exons	17160..17576		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74004	Strand	-
Start	17160	End	26305
Name	OJ990818_04.9A01.C5.o7.gs	Method	GENSCAN
Start	17302	End	26305
GI	none	Score	.49
Exons	17302..18843, 19422..19835, 20542..20848, 24310..24424, 24454..24550, 26234..26305		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74004	Strand	-
Start	17160	End	26305
Name	OJ990818_04.9A01.C5.o2.gp	Method	AAT/GAP
Start	18513	End	18864
GI	2310627	Score	656
Exons	18513..18864		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74005	Strand	-
Start	27033	End	31625
Name	OJ990818_04.9A01.C5.o8.gs	Method	GENSCAN
Start	27033	End	31625
GI	none	Score	.82
Exons	27033..27100, 27737..27815, 28458..28550, 29226..29369, 30544..30753, 31158..31625		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74005	Strand	-
Start	27033	End	31625
Name	OJ990818_04.9A01.C5.o4.gp	Method	AAT/GAP
Start	27607	End	29379
GI	LIB3433-041-P1-K1-A6	Score	810
Exons	27607..27815, 28458..28550, 29226..29379		
GI Descrip.	'2144166/pir\|\|JC5137 6.0e-19 beta-glucosidase (EC 3.2.1.21) - Bifidobacterium breve >gi_1769814_dbj_BAA19881_ (D88311) beta-D-glucosidase [Bifidobacterium breve]'		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74005	Strand	-
Start	27033	End	31625
Name	OJ990818_04.9A01.C5.o6.np	Method	AAT/NAP
Start	27654	End	29576
GI	3874039	Score	276
Exons	27654..27815, 28458..28550, 29226..29369, 29445..29576		
GI Descrip.	(Z75526) Weak similarity to Staphyloccus autolysin gene (TR:G765072); cDNA EST EMBL:M89336 comes from this gene; cDNA EST yk505d12.3 comes from this gene [Caenorhabditis elegans]		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74006	Strand	-
Start	32880	End	38295
Name	OJ990818_04.9A01.C5.o9.gs	Method	GENSCAN
Start	32880	End	38259
GI	none	Score	.45
Exons	32880..32981, 32996..33121, 35165..35438, 36772..36806, 36869..37255, 37379..37456, 37885..37929, 38092..38259		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74006	Strand	-
Start	32880	End	38295
Name	OJ990818_04.9A01.C5.o7.np	Method	AAT/NAP
Start	32978	End	38295
GI	6288682	Score	710
Exons	32978..33121, 35165..35404, 36869..37138, 37199..37255, 37379..37456, 37668..37752, 38198..38295		
GI Descrip.	(AF031487) bZIP transcription factor [Nicotiana tabacum]		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74007	Strand	-
Start	43509	End	45535
Name	OJ990818_04.9A01.C5.o11.gs	Method	GENSCAN
Start	43509	End	45535
GI	none	Score	.81
Exons	43509..43532, 43837..43930, 43972..44090, 44485..44682, 44713..44862, 45137..45182, 45450..45535		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74008	Strand	-
Start	47210	End	49972
Name	OJ990818_04.9A01.C5.o8.np	Method	AAT/NAP
Start	47210	End	49972
GI	2224931	Score	1069
Exons	47210..47278, 48722..48902, 48949..49972		
GI Descrip.	(AF004215) ethylene-insensitive3-like3 [Arabidopsis thaliana] gi\|6692737\|gb\|AAF24843.1\|AC012679_14 (AC012679) ethylene-insensitive3-like3 (EIL3) [Arabidopsis thaliana]		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74008	Strand	-
Start	47210	End	49972
Name	OJ990818_04.9A01.C5.o12.gs	Method	GENSCAN
Start	48137	End	49972
GI	none	Score	.99
Exons	48137..49972		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o11.tm	Method	TBLASTX:Maize
Start	9296	End	9459
GI	none	Score	192
Exons	9296..9454, 9316..9459		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o10.tm	Method	TBLASTX:Maize
Start	10733	End	11105
GI	none	Score	120
Exons	10733..10813, 10734..10814, 10903..10941, 10904..10942, 10928..11032, 10947..11003, 10948..11019, 11040..11105		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5

Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o7.ts	Method	TBLASTX:Soybean
Start	15662	End	16202
GI	none	Score	312
Exons	15662..15952, 15670..15948, 16114..16200, 16116..16202		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o5.tm	Method	TBLASTX:Maize
Start	15899	End	16607
GI	none	Score	73
Exons	15899..15952, 16114..16344, 16116..16337, 16159..16356, 16441..16536, 16443..16523, 16542..16607, 16543..16605		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o4.ts	Method	TBLASTX:Soybean
Start	16252	End	16713
GI	none	Score	100
Exons	16252..16344, 16441..16488, 16467..16664, 16468..16713		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o5.ts	Method	TBLASTX:Soybean
Start	17311	End	17562
GI	none	Score	158
Exons	17311..17562, 17315..17560		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o8.tm	Method	TBLASTX:Maize
Start	17506	End	17745
GI	none	Score	108
Exons	17506..17586, 17507..17572, 17573..17743, 17575..17745		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o3.ts	Method	TBLASTX:Soybean
Start	17848	End	18372
GI	none	Score	129
Exons	17848..18012, 17864..18013, 18101..18346, 18103..18324, 18338..18367, 18349..18372		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o4.tc	Method	TBLASTX:Cress
Start	27657	End	28554
GI	none	Score	91
Exons	27657..27806, 27657..27815, 27658..27816, 28322..28351, 28420..28554, 28455..28550		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o4.tm	Method	TBLASTX:Maize
Start	27753	End	30765
GI	none	Score	70
Exons	27753..27818, 27754..27816, 28452..28556, 28455..28550, 28457..28552, 29223..29372, 29223..29372, 29224..29373, 29430..29579, 29434..29577, 29441..29581, 30541..30744, 30542..30754, 30544..30765, 30582..30752		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o2.tw	Method	TBLASTX:Wheat
Start	29233	End	30709
GI	none	Score	79
Exons	29233..29274, 29235..29273, 29274..29372, 29276..29377, 29277..29372, 29433..29579, 29434..29577, 29435..29584, 30541..30705, 30542..30709, 30566..30706		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o9.tm	Method	TBLASTX:Maize
Start	31157	End	31554
GI	none	Score	46
Exons	31157..31201, 31158..31202, 31254..31319, 31272..31346, 31371..31433, 31380..31553, 31381..31554		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o3.tc	Method	TBLASTX:Cress
Start	32987	End	37730
GI	none	Score	70
Exons	32987..33124, 35153..35251, 35166..35252, 35237..35416, 36845..37138, 36867..37001, 37098..37139, 37379..37468, 37641..37730		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o8.ts	Method	TBLASTX:Soybean
Start	35132	End	35416
GI	none	Score	80
Exons	35132..35416, 35144..35260, 35163..35285, 35352..35387		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o3.tm	Method	TBLASTX:Maize
Start	35333	End	37148
GI	none	Score	77
Exons	35333..35416, 35352..35417, 36866..37138, 36870..37019, 37095..37148		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o6.ts	Method	TBLASTX:Soybean
Start	36873	End	37468
GI	none	Score	168
Exons	36873..37148, 36875..37138, 37379..37468		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o3.tw	Method	TBLASTX:Wheat
Start	36890	End	37715
GI	none	Score	67
Exons	36890..37138, 36891..37010, 37092..37139, 37379..37468, 37641..37715		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o7.tm	Method	TBLASTX:Maize
Start	48192	End	48491
GI	none	Score	130
Exons	48192..48296, 48194..48295, 48220..48297, 48278..48463, 48291..48434, 48293..48490, 48375..48491		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o6.tm	Method	TBLASTX:Maize
Start	48493	End	48989
GI	none	Score	63
Exons	48493..48621, 48494..48613, 48614..48850, 48614..48847, 48805..48900, 48806..48901, 48806..48979, 48901..48987, 48905..48988, 48916..48987, 48918..48989		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o1.tc	Method	TBLASTX:Cress
Start	48943	End	50002
GI	none	Score	59
Exons	48943..49026, 48950..49090, 48963..49061, 49081..49296, 49100..49474, 49110..49457, 49503..49742, 49505..49774, 49679..50002		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o1.ts	Method	TBLASTX:Soybean
Start	48983	End	50003
GI	none	Score	49
Exons	48983..49018, 48984..49019, 49084..49284, 49088..49291, 49103..49294, 49110..49295, 49285..49422, 49289..49468, 49290..49469, 49496..49717, 49511..49762, 49524..49730, 49802..49900, 49947..50003		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o1.tm	Method	TBLASTX:Maize
Start	48989	End	49939
GI	none	Score	35
Exons	48989..49030, 48990..49028, 49082..49294, 49104..49295, 49289..49489, 49290..49484, 49511..49756, 49524..49730, 49540..49758, 49799..49939		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o9.np	Method	AAT/NAP
Start	53433	End	57928
GI	833835	Score	1190
Exons	53433..53540, 54090..54369, 55087..55189, 55318..55939, 56278..56365, 56491..56568, 56792..56867, 57373..57434, 57533..57607, 57746..57928		
GI Descrip.	(U26025) amygdalin hydrolase isoform AH I precursor [Prunus serotina]		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o5.gp	Method	AAT/GAP
Start	53849	End	54354
GI	3768017	Score	934
Exons	53849..54354		
GI Descrip.	5030906/dbj\|BAA78708.1\| 9.0e-19 (AB003089) beta-glucosidase [Polygonum tinctorium]		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o14.gs	Method	GENSCAN
Start	54083	End	57892
GI	none	Score	.83
Exons	54083..54369, 55087..55189, 55318..55939, 56278..56365, 56491..56568, 56792..56867, 57373..57431, 57583..57607, 57746..57892		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o2.tm	Method	TBLASTX:Maize
Start	54089	End	57610
GI	none	Score	204
Exons	54089..54148, 54161..54337, 55324..55779, 55430..55792, 55801..55959, 55802..55921, 56769..56870, 56793..56876, 57531..57566, 57566..57610		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o2.ts	Method	TBLASTX:Soybean

Start	54092	End	57817
GI	none	Score	316
Exons	54092..54370, 55085..55165, 55315..55938, 55325..55921, 56277..56381, 56489..56566, 56490..56567, 56793..56870, 57367..57432, 57540..57566, 57566..57610, 57746..57817		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o2.tc	Method	TBLASTX:Cress
Start	54152	End	57805
GI	none	Score	36
Exons	54152..54262, 55085..55186, 55277..55315, 55411..55935, 55424..55576, 55631..55921, 56277..56363, 56793..56870, 57743..57805		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o1.tw	Method	TBLASTX:Wheat
Start	55408	End	56870
GI	none	Score	104
Exons	55408..55935, 55430..55573, 55709..55936, 55858..55938, 56277..56357, 56293..56358, 56296..56370, 56793..56870		

Seq. No.	35895	Seq. ID	OJ990818_04.9A01.C5
Gene No.	74009	Strand	-
Start	53433	End	57929
Name	OJ990818_04.9A01.C5.o6.gp	Method	AAT/GAP
Start	56831	End	57929
GI	454557	Score	643
Exons	56831..56867, 57373..57431, 57533..57607, 57746..57929		
GI Descrip.	2144166/pir\|\|JC5137 6.0e-19 beta-glucosidase (EC 3.2.1.21) - Bifidobacterium breve >gi_1769814_dbj_BAA19881_ (D88311) beta-D-glucosidase [Bifidobacterium breve]		

Seq. No.	35896	Seq. ID	OJ990818_04.9A01.C6
Gene No.	74010	Strand	+
Start	832	End	2824
Name	OJ990818_04.9A01.C6.o1.gs	Method	GENSCAN
Start	832	End	2824
GI	none	Score	.77
Exons	832..895, 2664..2824		

Seq. No.	35896	Seq. ID	OJ990818_04.9A01.C6
Gene No.	74011	Strand	-
Start	4792	End	5907
Name	OJ990818_04.9A01.C6.o2.gs	Method	GENSCAN
Start	4792	End	5907
GI	none	Score	.67
Exons	4792..5189, 5432..5647, 5721..5907		

Seq. No.	35897	Seq. ID	OJ990818_04.9A01.C7
Gene No.	74012	Strand	-
Start	1404	End	3729
Name	OJ990818_04.9A01.C7.o1.gp	Method	AAT/GAP
Start	1117	End	1417

GI	87700_1.R1084	Score	508
Exons	1117..1417		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	35897	Seq. ID	OJ990818_04.9A01.C7
Gene No.	74012	Strand	-
Start	1404	End	3729
Name	OJ990818_04.9A01.C7.o1.np	Method	AAT/NAP
Start	1144	End	3729
GI	6118076	Score	897
Exons	1144..1198, 1353..1675, 1846..1948, 2040..2661, 3137..3224, 3298..3729		
GI Descrip.	(AF163097) dalcochinin 8'-O-beta-glucoside beta-glucosidase precursor [Dalbergia cochinchinensis]		

Seq. No.	35897	Seq. ID	OJ990818_04.9A01.C7
Gene No.	74012	Strand	-
Start	1404	End	3729
Name	OJ990818_04.9A01.C7.o2.gp	Method	AAT/GAP
Start	1214	End	2186
GI	16768_1.R1084	Score	1128
Exons	1214..1675, 1846..1948, 2040..2186		
GI Descrip.	'833835 5.0e-39 (U26025) amygdalin hydrolase isoform AH I precursor [Prunus serotina]'		

Seq. No.	35897	Seq. ID	OJ990818_04.9A01.C7
Gene No.	74012	Strand	-
Start	1404	End	3729
Name	OJ990818_04.9A01.C7.o2.tw	Method	TBLASTX:Wheat
Start	1389	End	1894
GI	none	Score	110
Exons	1389..1571, 1413..1676, 1489..1677, 1844..1894		

Seq. No.	35897	Seq. ID	OJ990818_04.9A01.C7
Gene No.	74012	Strand	-
Start	1404	End	3729
Name	OJ990818_04.9A01.C7.o2.gs	Method	GENSCAN
Start	1404	End	3375
GI	none	Score	.78
Exons	1404..1675, 1846..1948, 2040..2661, 3137..3224, 3298..3375		

Seq. No.	35897	Seq. ID	OJ990818_04.9A01.C7
Gene No.	74012	Strand	-
Start	1404	End	3729
Name	OJ990818_04.9A01.C7.o1.tm	Method	TBLASTX:Maize
Start	1410	End	3364
GI	none	Score	64
Exons	1410..1721, 1489..1593, 1844..1921, 2046..2495, 2161..2496, 2518..2643, 2523..2654, 3136..3249, 3296..3364		

Seq. No.	35897	Seq. ID	OJ990818_04.9A01.C7
Gene No.	74012	Strand	-
Start	1404	End	3729
Name	OJ990818_04.9A01.C7.o1.ts	Method	TBLASTX:Soybean
Start	1410	End	3385
GI	none	Score	75

Exons	1410..1472, 1467..1652, 1489..1581, 1838..1924, 2037..2660, 2155..2307, 2214..2495, 2353..2661, 3127..3216, 3128..3253, 3136..3225, 3296..3385, 3297..3374		
Seq. No.	35897	Seq. ID	OJ990818_04.9A01.C7
Gene No.	74012	Strand	-
Start	1404	End	3729
Name	OJ990818_04.9A01.C7.o1.tc	Method	TBLASTX:Cress
Start	1473	End	3270
GI	none	Score	116
Exons	1473..1574, 1844..1945, 2124..2477, 2133..2657, 2347..2679, 3136..3270		
Seq. No.	35897	Seq. ID	OJ990818_04.9A01.C7
Gene No.	74012	Strand	-
Start	1404	End	3729
Name	OJ990818_04.9A01.C7.o1.tw	Method	TBLASTX:Wheat
Start	2130	End	3364
GI	none	Score	93
Exons	2130..2657, 2155..2295, 2425..2643, 2523..2654, 3136..3216, 3137..3217, 3155..3247, 3305..3364		
Seq. No.	35897	Seq. ID	OJ990818_04.9A01.C7
Gene No.	74012	Strand	-
Start	1404	End	3729
Name	OJ990818_04.9A01.C7.o3.gp	Method	AAT/GAP
Start	2218	End	3224
GI	62176_1.R1084	Score	966
Exons	2218..2661, 3137..3224		
GI Descrip.	'114974/sp\|P26204\|BGLS_TRIRP 1.0e-37 NON-CYANOGENIC BETA-GLUCOSIDASE PRECURSOR >gi_67491_pir__GLJY31 beta-glucosidase (EC 3.2.1.21) precursor (clone TRE361) - white clover >gi_21955_emb_CAA40058.1_ (X56734) beta-glucosidase [Trifolium repens]'		
Seq. No.	35897	Seq. ID	OJ990818_04.9A01.C7
Gene No.	74012	Strand	-
Start	1404	End	3729
Name	OJ990818_04.9A01.C7.o4.gp	Method	AAT/GAP
Start	3304	End	3375
GI	4880905	Score	110
Exons	3304..3375		
GI Descrip.	114974/sp\|P26204\|BGLS_TRIRP 1.0e-37 NON-CYANOGENIC BETA-GLUCOSIDASE PRECURSOR >gi_67491_pir__GLJY31 beta-glucosidase (EC 3.2.1.21) precursor (clone TRE361) - white clover >gi_21955_emb_CAA40058.1_ (X56734) beta-glucosidase [Trifolium repens]		
Seq. No.	35898	Seq. ID	OJ990818_04.9A01.C9
Gene No.	74013	Strand	-
Start	1	End	374
Name	OJ990818_04.9A01.C9.o1.gp	Method	AAT/GAP
Start	1	End	374
GI	LIB3432-009-P1-K1-H11	Score	703
Exons	1..374		
GI Descrip.	'2642159 2.0e-20 (AC003000) putative mannose-1-phosphate guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484)		

GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]'

Seq. No.	35898	Seq. ID	OJ990818_04.9A01.C9
Gene No.	74013	Strand	-
Start	1	End	374
Name	OJ990818_04.9A01.C9.o1.gs	Method	GENSCAN
Start	70	End	290
GI	none	Score	.63
Exons	70..290		

Seq. No.	35899	Seq. ID	OJ990818_04.9A01.C11
Gene No.	74014	Strand	+
Start	1	End	73
Name	OJ990818_04.9A01.C11.o1.gp	Method	AAT/GAP
Start	1	End	73
GI	LIB3433-006-Q6-K6-A3	Score	137
Exons	1..73		
GI Descrip.	'2642159 2.0e-20 (AC003000) putative mannose-1-phosphate guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]'		

Seq. No.	35900	Seq. ID	OJ990818_04.9A01.C12
Gene No.	74015	Strand	+
Start	1	End	591
Name	OJ990818_04.9A01.C12.o1.np	Method	AAT/NAP
Start	1	End	591
GI	5922623	Score	139
Exons	1..84, 252..327, 489..591		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	35900	Seq. ID	OJ990818_04.9A01.C12
Gene No.	74015	Strand	+
Start	1	End	591
Name	OJ990818_04.9A01.C12.o1.gs	Method	GENSCAN
Start	252	End	517
GI	none	Score	.81
Exons	252..327, 444..517		

Seq. No.	35901	Seq. ID	OJ990818_04.9A01.C13
Gene No.	74016	Strand	-
Start	193	End	432
Name	OJ990818_04.9A01.C13.o1.gs	Method	GENSCAN
Start	193	End	432
GI	none	Score	.58
Exons	193..432		

Seq. No.	35902	Seq. ID	OJ990818_04.9A01.C14
Gene No.	74017	Strand	-
Start	1	End	291
Name	OJ990818_04.9A01.C14.o1.np	Method	AAT/NAP
Start	1	End	291
GI	5803259	Score	399
Exons	1..291		

GI Descrip. (AP000399) hypothetical protein [Oryza sativa]

Seq. No.	35902	Seq. ID	OJ990818_04.9A01.C14
Gene No.	74017	Strand	-
Start	1	End	291
Name	OJ990818_04.9A01.C14.o1.gs	Method	GENSCAN
Start	26	End	185
GI	none	Score	.87
Exons	26..185		

Seq. No.	35903	Seq. ID	OJ990818_04.9A01.C15
Gene No.	74018	Strand	+
Start	62	End	264
Name	OJ990818_04.9A01.C15.o1.tm	Method	TBLASTX:Maize
Start	17	End	232
GI	none	Score	223
Exons	17..232, 23..226		

Seq. No.	35903	Seq. ID	OJ990818_04.9A01.C15
Gene No.	74018	Strand	+
Start	62	End	264
Name	OJ990818_04.9A01.C15.o1.gs	Method	GENSCAN
Start	62	End	264
GI	none	Score	.48
Exons	62..264		

Seq. No.	35904	Seq. ID	OJ990818_04.9A01.C16
Gene No.	74019	Strand	-
Start	841	End	965
Name	OJ990818_04.9A01.C16.o1.gs	Method	GENSCAN
Start	841	End	965
GI	none	Score	.7
Exons	841..965		

Seq. No.	35905	Seq. ID	OJ990818_04.9A01.C19
Gene No.	74020	Strand	+
Start	197	End	611
Name	OJ990818_04.9A01.C19.o1.tm	Method	TBLASTX:Maize
Start	78	End	598
GI	none	Score	113
Exons	78..170, 78..155, 80..169, 161..394, 173..385, 304..399, 499..546, 503..598		

Seq. No.	35905	Seq. ID	OJ990818_04.9A01.C19
Gene No.	74020	Strand	+
Start	197	End	611
Name	OJ990818_04.9A01.C19.o1.gs	Method	GENSCAN
Start	197	End	611
GI	none	Score	.5
Exons	197..275, 498..611		

Seq. No.	35906	Seq. ID	OJ990818_04.9A01.C21
Gene No.	74021	Strand	+
Start	184	End	668
Name	OJ990818_04.9A01.C21.o1.gs	Method	GENSCAN
Start	184	End	664
GI	none	Score	.91

Exons	184..383, 581..664		
Seq. No.	35906	Seq. ID	OJ990818_04.9A01.C21
Gene No.	74021	Strand	+
Start	184	End	668
Name	OJ990818_04.9A01.C21.o1.tm	Method	TBLASTX:Maize
Start	203	End	668
GI	none	Score	69
Exons	203..250, 208..249, 270..389, 490..537, 494..544, 533..667,	314..364, 539..667,	321..380, 484..537, 540..668, 540..668
Seq. No.	35907	Seq. ID	OJ990818_04.9A01.C23
Gene No.	74022	Strand	+
Start	241	End	598
Name	OJ990818_04.9A01.C23.o1.gs	Method	GENSCAN
Start	241	End	588
GI	none	Score	.78
Exons	241..308, 345..588		
Seq. No.	35907	Seq. ID	OJ990818_04.9A01.C23
Gene No.	74022	Strand	+
Start	241	End	598
Name	OJ990818_04.9A01.C23.o1.np	Method	AAT/NAP
Start	259	End	598
GI	3522946	Score	155
Exons	259..598		
GI Descrip.	(AC004411) putative cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	35908	Seq. ID	OJ990818_04.9A01.C24
Gene No.	74023	Strand	-
Start	1	End	1542
Name	OJ990818_04.9A01.C24.o1.np	Method	AAT/NAP
Start	1	End	1542
GI	6907089	Score	1959
Exons	1..108, 208..812, 840..1186, 1214..1542		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	35908	Seq. ID	OJ990818_04.9A01.C24
Gene No.	74023	Strand	-
Start	1	End	1542
Name	OJ990818_04.9A01.C24.o1.gs	Method	GENSCAN
Start	17	End	1542
GI	none	Score	.82
Exons	17..108, 542..627, 647..800, 842..943, 948..1143, 1489..1542		
Seq. No.	35909	Seq. ID	OJ990818_04.9A01.C25
Gene No.	74024	Strand	+
Start	1	End	842
Name	OJ990818_04.9A01.C25.o1.np	Method	AAT/NAP
Start	1	End	842
GI	2191183	Score	424
Exons	1..229, 279..842		
GI Descrip.	(AF007271) similar to the ligand-gated ionic channels family [Arabidopsis thaliana]		
Seq. No.	35909	Seq. ID	OJ990818_04.9A01.C25
Gene No.	74024	Strand	+

Start	1	End	842
Name	OJ990818_04.9A01.C25.o1.gp	Method	AAT/GAP
Start	605	End	842
GI	27747_1.R1084	Score	469
Exons	605..842		
GI Descrip.	'5852172/emb\|CAB55410.1\| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]'		

Seq. No.	35910	Seq. ID	OJ990818_04.9A01.C26
Gene No.	74025	Strand	-
Start	147	End	274
Name	OJ990818_04.9A01.C26.o1.gs	Method	GENSCAN
Start	147	End	274
GI	none	Score	.69
Exons	147..274		

Seq. No.	35911	Seq. ID	OJ990818_02.9A11.C2
Gene No.	74026	Strand	-
Start	1	End	331
Name	OJ990818_02.9A11.C2.o1.np	Method	AAT/NAP
Start	1	End	331
GI	4680186	Score	156
Exons	1..331		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35912	Seq. ID	OJ990818_02.9A11.C3
Gene No.	74027	Strand	+
Start	2100	End	2357
Name	OJ990818_02.9A11.C3.o1.gp	Method	AAT/GAP
Start	2100	End	2357
GI	427610	Score	420
Exons	2100..2357		
GI Descrip.	5852172/emb\|CAB55410.1\| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	35912	Seq. ID	OJ990818_02.9A11.C3
Gene No.	74028	Strand	-
Start	1845	End	3715
Name	OJ990818_02.9A11.C3.o1.tm	Method	TBLASTX:Maize
Start	1694	End	1974
GI	none	Score	100
Exons	1694..1876, 1738..1875, 1746..1880, 1749..1880, 1880..1972, 1881..1973, 1881..1973, 1882..1974		

Seq. No.	35912	Seq. ID	OJ990818_02.9A11.C3
Gene No.	74028	Strand	-
Start	1845	End	3715
Name	OJ990818_02.9A11.C3.o1.np	Method	AAT/NAP
Start	1845	End	3715
GI	6630696	Score	198
Exons	1845..2033, 3653..3715		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	35912	Seq. ID	OJ990818_02.9A11.C3
Gene No.	74028	Strand	-

Start	1845	End	3715
Name	OJ990818_02.9A11.C3.o2.np	Method	AAT/NAP
Start	2209	End	3715
GI	5852172	Score	138
Exons	2209..2340, 3650..3715		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	35913	Seq. ID	OJ990818_02.9A11.C4
Gene No.	74029	Strand	+
Start	16962	End	17074
Name	OJ990818_02.9A11.C4.o3.np	Method	AAT/NAP
Start	16962	End	17074
GI	6815099	Score	102
Exons	16962..17074		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	35913	Seq. ID	OJ990818_02.9A11.C4
Gene No.	74030	Strand	-
Start	356	End	7448
Name	OJ990818_02.9A11.C4.o1.gs	Method	GENSCAN
Start	356	End	7448
GI	none	Score	42
Exons	356..392, 1378..3026, 6251..6998, 7156..7448		

Seq. No.	35913	Seq. ID	OJ990818_02.9A11.C4
Gene No.	74030	Strand	-
Start	356	End	7448
Name	OJ990818_02.9A11.C4.o1.np	Method	AAT/NAP
Start	1421	End	7247
GI	6056428	Score	1700
Exons	1421..3026, 6251..6998, 7156..7247		
GI Descrip.	(AC009525) Very similar to cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	35913	Seq. ID	OJ990818_02.9A11.C4
Gene No.	74031	Strand	-
Start	7618	End	18537
Name	OJ990818_02.9A11.C4.o1.tm	Method	TBLASTX:Maize
Start	1518	End	12208
GI	none	Score	72
Exons	1518..1598, 1650..1925, 1695..2426, 1696..1968, 2008..2433, 11147..11317, 11224..11289, 11341..12096, 11390..11668, 11713..12051, 11753..12097, 12113..12208		

Seq. No.	35913	Seq. ID	OJ990818_02.9A11.C4
Gene No.	74031	Strand	-
Start	7618	End	18537
Name	OJ990818_02.9A11.C4.o4.tw	Method	TBLASTX:Wheat
Start	1518	End	11331
GI	none	Score	58
Exons	1518..1619, 1519..1626, 11135..11329, 11186..11329, 11212..11331, 11212..11331		

Seq. No.	35913	Seq. ID	OJ990818_02.9A11.C4
Gene No.	74031	Strand	-
Start	7618	End	18537
Name	OJ990818_02.9A11.C4.o2.tc	Method	TBLASTX:Cress

Start	1518	End	13593
GI	none	Score	152
Exons	1518..1595, 2640..2732, 2745..2936, 2746..2937, 2945..2983, 6308..6334, 6335..6469, 6395..6724, 6510..6716, 6800..7000, 12321..12614, 12322..12648, 12322..12651, 12904..12930, 12977..13072, 13006..13593, 13113..13286, 13114..13296, 13142..13351		

Seq. No.	35913	Seq. ID	OJ990818_02.9A11.C4
Gene No.	74031	Strand	-
Start	7618	End	18537
Name	OJ990818_02.9A11.C4.o3.ts	Method	TBLASTX:Soybean
Start	1518	End	11976
GI	none	Score	101
Exons	1518..1595, 1701..1763, 1767..1973, 1768..1968, 2124..2279, 2149..2241, 11224..11286, 11350..11460, 11464..11820, 11800..11973, 11810..11971, 11839..11976		

Seq. No.	35913	Seq. ID	OJ990818_02.9A11.C4
Gene No.	74031	Strand	-
Start	7618	End	18537
Name	OJ990818_02.9A11.C4.o1.tw	Method	TBLASTX:Wheat
Start	1632	End	11821
GI	none	Score	238
Exons	1632..1925, 1695..2123, 1696..2124, 11332..11820, 11333..11602, 11623..11820, 11651..11821		

Seq. No.	35913	Seq. ID	OJ990818_02.9A11.C4
Gene No.	74031	Strand	-
Start	7618	End	18537
Name	OJ990818_02.9A11.C4.o1.tc	Method	TBLASTX:Cress
Start	1707	End	12303
GI	none	Score	36
Exons	1707..2045, 1720..1752, 1780..1998, 2052..2132, 2118..2426, 2122..2433, 2541..2621, 11404..11742, 11417..11572, 11746..11838, 11815..12078, 11834..12097, 12113..12199, 12226..12303		

Seq. No.	35913	Seq. ID	OJ990818_02.9A11.C4
Gene No.	74031	Strand	-
Start	7618	End	18537
Name	OJ990818_02.9A11.C4.o1.ts	Method	TBLASTX:Soybean
Start	2281	End	12642
GI	none	Score	72
Exons	2281..2433, 2283..2426, 2541..2735, 2587..2736, 2736..2963, 2737..3015, 11980..12096, 11990..12097, 12113..12199, 12180..12416, 12214..12420, 12218..12415, 12421..12642, 12509..12637		

Seq. No.	35913	Seq. ID	OJ990818_02.9A11.C4
Gene No.	74031	Strand	-
Start	7618	End	18537
Name	OJ990818_02.9A11.C4.o3.tm	Method	TBLASTX:Maize
Start	2541	End	12687
GI	none	Score	80
Exons	2541..2732, 2587..2733, 2734..2937, 2745..2936, 12226..12687, 12227..12448, 12465..12602, 12506..12613		

Seq. No.	35913	Seq. ID	OJ990818_02.9A11.C4
Gene No.	74031	Strand	-
Start	7618	End	18537
Name	OJ990818_02.9A11.C4.o2.tw	Method	TBLASTX:Wheat
Start	2586	End	12628
GI	none	Score	124
Exons	2586..2735, 2587..2736, 2736..2954, 2737..2946, 12268..12420, 12289..12414, 12372..12599, 12421..12624, 12521..12628		

Seq. No.	35913	Seq. ID	OJ990818_02.9A11.C4
Gene No.	74031	Strand	-
Start	7618	End	18537
Name	OJ990818_02.9A11.C4.o2.ts	Method	TBLASTX:Soybean
Start	6221	End	13344
GI	none	Score	63
Exons	6221..6340, 6248..6343, 6249..6341, 6359..6586, 6390..6587, 6587..6724, 6591..6716, 12844..12945, 12844..12945, 12854..12946, 12967..13179, 12974..13087, 13142..13180, 13180..13344, 13184..13342		

Seq. No.	35913	Seq. ID	OJ990818_02.9A11.C4
Gene No.	74031	Strand	-
Start	7618	End	18537
Name	OJ990818_02.9A11.C4.o2.tm	Method	TBLASTX:Maize
Start	6248	End	13519
GI	none	Score	76
Exons	6248..6340, 6248..6343, 6359..6784, 6368..6610, 6390..6710, 6800..6928, 6831..6929, 12844..12933, 12844..12945, 12854..12946, 12967..13374, 12970..13296, 12980..13360, 13385..13519, 13396..13518		

Seq. No.	35913	Seq. ID	OJ990818_02.9A11.C4
Gene No.	74031	Strand	-
Start	7618	End	18537
Name	OJ990818_02.9A11.C4.o3.tw	Method	TBLASTX:Wheat
Start	6308	End	13198
GI	none	Score	86
Exons	6308..6349, 6395..6604, 6510..6605, 12904..12930, 12988..13197, 13007..13042, 13142..13198		

Seq. No.	35913	Seq. ID	OJ990818_02.9A11.C4
Gene No.	74031	Strand	-
Start	7618	End	18537
Name	OJ990818_02.9A11.C4.o2.gs	Method	GENSCAN
Start	7618	End	18537
GI	none	Score	.62
Exons	7618..7811, 10027..10178, 11273..12705, 12847..13588, 14224..14566, 18187..18333, 18369..18537		

Seq. No.	35913	Seq. ID	OJ990818_02.9A11.C4
Gene No.	74031	Strand	-
Start	7618	End	18537
Name	OJ990818_02.9A11.C4.o2.np	Method	AAT/NAP
Start	11096	End	15449
GI	6714431	Score	1586
Exons	11096..12678, 12831..13604, 15398..15449		

GI Descrip.	(AC012328) putative cellulose synthase catalytic subunit [Arabidopsis thaliana]		
Seq. No.	35914	Seq. ID	OJ990818_02.9A11.C5
Gene No.	74032	Strand	+
Start	2502	End	2598
Name	OJ990818_02.9A11.C5.o1.gp	Method	AAT/GAP
Start	2502	End	2598
GI	uC-osflcyp022c06b2	Score	149
Exons	2502..2598		
GI Descrip.	'5042437/gb\|AC007789.1\|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		
Seq. No.	35914	Seq. ID	OJ990818_02.9A11.C5
Gene No.	74033	Strand	-
Start	1526	End	2890
Name	OJ990818_02.9A11.C5.o1.np	Method	AAT/NAP
Start	1341	End	2890
GI	3176715	Score	624
Exons	1341..1406, 1498..2182, 2872..2890		
GI Descrip.	(AC002392) putative receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	35914	Seq. ID	OJ990818_02.9A11.C5
Gene No.	74033	Strand	-
Start	1526	End	2890
Name	OJ990818_02.9A11.C5.o1.gs	Method	GENSCAN
Start	1526	End	2268
GI	none	Score	.97
Exons	1526..2268		
Seq. No.	35914	Seq. ID	OJ990818_02.9A11.C5
Gene No.	74033	Strand	-
Start	1526	End	2890
Name	OJ990818_02.9A11.C5.o1.tc	Method	TBLASTX:Cress
Start	1556	End	2156
GI	none	Score	97
Exons	1556..1711, 1557..1784, 1718..1789, 1809..2156, 1820..2146		
Seq. No.	35914	Seq. ID	OJ990818_02.9A11.C5
Gene No.	74033	Strand	-
Start	1526	End	2890
Name	OJ990818_02.9A11.C5.o1.tm	Method	TBLASTX:Maize
Start	1559	End	2146
GI	none	Score	93
Exons	1559..1717, 1578..1742, 1721..1804, 1722..1790, 1802..2146, 1818..2144		
Seq. No.	35914	Seq. ID	OJ990818_02.9A11.C5
Gene No.	74033	Strand	-
Start	1526	End	2890
Name	OJ990818_02.9A11.C5.o1.ts	Method	TBLASTX:Soybean
Start	1577	End	2146
GI	none	Score	58
Exons	1577..1717, 1578..1721, 1703..1954, 1707..1964, 1839..1955, 1840..1956, 1935..2111, 1952..2146, 1967..2140		

Seq. No.	35914	Seq. ID	OJ990818_02.9A11.C5
Gene No.	74033	Strand	-
Start	1526	End	2890
Name	OJ990818_02.9A11.C5.o1.tw	Method	TBLASTX:Wheat
Start	1877	End	2156
GI	none	Score	55
Exons	1877..1939, 1878..1934, 1940..2152, 1965..2156		

Seq. No.	35915	Seq. ID	OJ990818_02.9A11.C6
Gene No.	74034	Strand	+
Start	621	End	1355
Name	OJ990818_02.9A11.C6.o1.gs	Method	GENSCAN
Start	621	End	1355
GI	none	Score	.72
Exons	621..690, 1204..1355		

Seq. No.	35915	Seq. ID	OJ990818_02.9A11.C6
Gene No.	74035	Strand	-
Start	466	End	8118
Name	OJ990818_02.9A11.C6.o1.np	Method	AAT/NAP
Start	466	End	4910
GI	4263831	Score	102
Exons	466..558, 675..975, 4865..4910		
GI Descrip.	(AC006067) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	35915	Seq. ID	OJ990818_02.9A11.C6
Gene No.	74035	Strand	-
Start	466	End	8118
Name	OJ990818_02.9A11.C6.o2.gs	Method	GENSCAN
Start	2116	End	7858
GI	none	Score	.44
Exons	2116..2780, 2868..5581, 6367..6434, 6926..7858		

Seq. No.	35915	Seq. ID	OJ990818_02.9A11.C6
Gene No.	74035	Strand	-
Start	466	End	8118
Name	OJ990818_02.9A11.C6.o2.np	Method	AAT/NAP
Start	5075	End	8118
GI	3445397	Score	777
Exons	5075..5118, 6823..8118		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	35915	Seq. ID	OJ990818_02.9A11.C6
Gene No.	74035	Strand	-
Start	466	End	8118
Name	OJ990818_02.9A11.C6.o1.ts	Method	TBLASTX:Soybean
Start	6867	End	7193
GI	none	Score	177
Exons	6867..7112, 6869..7141, 7119..7193		

Seq. No.	35915	Seq. ID	OJ990818_02.9A11.C6
Gene No.	74035	Strand	-
Start	466	End	8118
Name	OJ990818_02.9A11.C6.o2.tm	Method	TBLASTX:Maize
Start	6867	End	7096
GI	none	Score	82

Exons	6867..6980, 6869..6985, 6974..7096, 6975..7073		
Seq. No.	35915	Seq. ID	OJ990818_02.9A11.C6
Gene No.	74035	Strand	-
Start	466	End	8118
Name	OJ990818_02.9A11.C6.o1.tc	Method	TBLASTX:Cress
Start	6869	End	8104
GI	none	Score	63
Exons	6869..6994, 6968..7099, 6990..7049, 7529..7771, 7820..7945, 7970..8011, 8060..8104		
Seq. No.	35915	Seq. ID	OJ990818_02.9A11.C6
Gene No.	74035	Strand	-
Start	466	End	8118
Name	OJ990818_02.9A11.C6.o1.tm	Method	TBLASTX:Maize
Start	7355	End	7771
GI	none	Score	96
Exons	7355..7420, 7490..7612, 7601..7771		
Seq. No.	35915	Seq. ID	OJ990818_02.9A11.C6
Gene No.	74035	Strand	-
Start	466	End	8118
Name	OJ990818_02.9A11.C6.o2.ts	Method	TBLASTX:Soybean
Start	7481	End	7849
GI	none	Score	78
Exons	7481..7711, 7527..7703, 7712..7849		
Seq. No.	35916	Seq. ID	OJ990818_02.9A11.C7
Gene No.	74036	Strand	+
Start	2158	End	2608
Name	OJ990818_02.9A11.C7.o1.gp	Method	AAT/GAP
Start	2158	End	2608
GI	uC-osroM202028b06a1	Score	898
Exons	2158..2608		
GI Descrip.	'3445397/emb\|CAA09029.1\| 1.0e-28 (AJ010166) S-domain receptor-like protein kinase [Zea mays]'		
Seq. No.	35916	Seq. ID	OJ990818_02.9A11.C7
Gene No.	74037	Strand	-
Start	2345	End	4934
Name	OJ990818_02.9A11.C7.o1.gs	Method	GENSCAN
Start	2345	End	4819
GI	none	Score	1
Exons	2345..4819		
Seq. No.	35916	Seq. ID	OJ990818_02.9A11.C7
Gene No.	74037	Strand	-
Start	2345	End	4934
Name	OJ990818_02.9A11.C7.o1.np	Method	AAT/NAP
Start	2348	End	4819
GI	3445397	Score	3714
Exons	2348..4819		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		
Seq. No.	35916	Seq. ID	OJ990818_02.9A11.C7
Gene No.	74037	Strand	-
Start	2345	End	4934

Name	OJ990818_02.9A11.C7.o2.gp	Method	AAT/GAP
Start	4492	End	4934
GI	uC-osroM202028b06b1	Score	866
Exons	4492..4934		
GI Descrip.	'3445397/emb\|CAA09029.1\| 3.0e-45 (AJ010166) S-domain receptor-like protein kinase [Zea mays]'		

Seq. No.	35916	Seq. ID	OJ990818_02.9A11.C7
Gene No.	74038	Strand	-
Start	5572	End	5796
Name	OJ990818_02.9A11.C7.o1.tc	Method	TBLASTX:Cress
Start	2477	End	4663
GI	none	Score	46
Exons	2477..2725, 2504..2683, 2739..3002, 2741..3271, 2742..3062, 3083..3268, 3096..3272, 3812..4051, 3962..4048, 4100..4198, 4100..4222, 4232..4297, 4340..4381, 4511..4663		

Seq. No.	35916	Seq. ID	OJ990818_02.9A11.C7
Gene No.	74038	Strand	-
Start	5572	End	5796
Name	OJ990818_02.9A11.C7.o1.tm	Method	TBLASTX:Maize
Start	2477	End	3090
GI	none	Score	161
Exons	2477..2710, 2496..2708, 2711..3061, 2721..3068, 2821..3090		

Seq. No.	35916	Seq. ID	OJ990818_02.9A11.C7
Gene No.	74038	Strand	-
Start	5572	End	5796
Name	OJ990818_02.9A11.C7.o3.ts	Method	TBLASTX:Soybean
Start	2558	End	2927
GI	none	Score	49
Exons	2558..2680, 2619..2696, 2672..2887, 2672..2905, 2685..2927		

Seq. No.	35916	Seq. ID	OJ990818_02.9A11.C7
Gene No.	74038	Strand	-
Start	5572	End	5796
Name	OJ990818_02.9A11.C7.o1.tw	Method	TBLASTX:Wheat
Start	2798	End	3212
GI	none	Score	97
Exons	2798..2860, 2861..3061, 2886..3038, 3059..3211, 3081..3212		

Seq. No.	35916	Seq. ID	OJ990818_02.9A11.C7
Gene No.	74038	Strand	-
Start	5572	End	5796
Name	OJ990818_02.9A11.C7.o1.ts	Method	TBLASTX:Soybean
Start	2930	End	3488
GI	none	Score	133
Exons	2930..3082, 2937..3056, 2951..3061, 3065..3421, 3076..3195, 3081..3383, 3471..3488		

Seq. No.	35916	Seq. ID	OJ990818_02.9A11.C7
Gene No.	74038	Strand	-
Start	5572	End	5796
Name	OJ990818_02.9A11.C7.o4.tm	Method	TBLASTX:Maize
Start	3092	End	3227
GI	none	Score	150
Exons	3092..3226, 3093..3227		

Seq. No.	35916	Seq. ID	OJ990818_02.9A11.C7
Gene No.	74038	Strand	-
Start	5572	End	5796
Name	OJ990818_02.9A11.C7.o3.tm	Method	TBLASTX:Maize
Start	3227	End	3544
GI	none	Score	353
Exons	3227..3538, 3227..3430, 3231..3536, 3509..3544		

Seq. No.	35916	Seq. ID	OJ990818_02.9A11.C7
Gene No.	74038	Strand	-
Start	5572	End	5796
Name	OJ990818_02.9A11.C7.o2.tw	Method	TBLASTX:Wheat
Start	3599	End	3994
GI	none	Score	48
Exons	3599..3670, 3607..3660, 3776..3994, 3786..3941, 3787..3822		

Seq. No.	35916	Seq. ID	OJ990818_02.9A11.C7
Gene No.	74038	Strand	-
Start	5572	End	5796
Name	OJ990818_02.9A11.C7.o2.ts	Method	TBLASTX:Soybean
Start	3776	End	4127
GI	none	Score	139
Exons	3776..3991, 3795..3977, 3926..3988, 3998..4126, 4001..4120, 4002..4127		

Seq. No.	35916	Seq. ID	OJ990818_02.9A11.C7
Gene No.	74038	Strand	-
Start	5572	End	5796
Name	OJ990818_02.9A11.C7.o2.tm	Method	TBLASTX:Maize
Start	4422	End	4858
GI	none	Score	39
Exons	4422..4487, 4424..4486, 4450..4488, 4477..4611, 4479..4628, 4484..4762, 4485..4634, 4667..4762, 4674..4763, 4796..4858, 4797..4829, 4808..4831		

Seq. No.	35916	Seq. ID	OJ990818_02.9A11.C7
Gene No.	74038	Strand	-
Start	5572	End	5796
Name	OJ990818_02.9A11.C7.o3.gp	Method	AAT/GAP
Start	5572	End	5796
GI	none	Score	300
Exons	5572..5796		

Seq. No.	35917	Seq. ID	OJ990818_02.9A11.C9
Gene No.	74039	Strand	+
Start	3289	End	5292
Name	OJ990818_02.9A11.C9.o1.gp	Method	AAT/GAP
Start	3289	End	5108
GI	1881_3.R1084	Score	794
Exons	3289..3412, 3877..4005, 4493..4591, 4701..4753, 5025..5108		
GI Descrip.	'2832681/emb\|CAA16781.1\| 1.0e-38 (AL021712) putative protein [Arabidopsis thaliana]'		

Seq. No.	35917	Seq. ID	OJ990818_02.9A11.C9
Gene No.	74039	Strand	+
Start	3289	End	5292

Name	OJ990818_02.9A11.C9.o1.np	Method	AAT/NAP
Start	3951	End	5292
GI	2832681	Score	325
Exons	3951..4005, 4493..4591, 4701..4753, 5025..5098, 5250..5292		
GI Descrip.	(AL021712) putative protein [Arabidopsis thaliana]		

Seq. No.	35917	Seq. ID	OJ990818_02.9A11.C9
Gene No.	74040	Strand	-
Start	721	End	3437
Name	OJ990818_02.9A11.C9.o1.gs	Method	GENSCAN
Start	721	End	3437
GI	none	Score	.58
Exons	721..794, 1466..1504, 1534..1731, 2032..2144, 2623..2825, 2928..3059, 3222..3437		

Seq. No.	35917	Seq. ID	OJ990818_02.9A11.C9
Gene No.	74041	Strand	
Start	3932	End	5110
Name	OJ990818_02.9A11.C9.o1.tc	Method	TBLASTX:Cress
Start	3932	End	5110
GI	none	Score	95
Exons	3932..4009, 3939..4004, 4492..4590, 4494..4586, 4703..4753, 5007..5099, 5021..5110, 5027..5095		

Seq. No.	35917	Seq. ID	OJ990818_02.9A11.C9
Gene No.	74041	Strand	
Start	3932	End	5110
Name	OJ990818_02.9A11.C9.o1.tm	Method	TBLASTX:Maize
Start	3949	End	5099
GI	none	Score	97
Exons	3949..4002, 3950..4009, 3951..4004, 3953..4009, 4492..4590, 4494..4589, 4703..4753, 5007..5099, 5024..5098		

Seq. No.	35917	Seq. ID	OJ990818_02.9A11.C9
Gene No.	74041	Strand	
Start	3932	End	5110
Name	OJ990818_02.9A11.C9.o1.tw	Method	TBLASTX:Wheat
Start	3956	End	5099
GI	none	Score	76
Exons	3956..4009, 3957..4004, 3962..4009, 4492..4590, 4494..4586, 4702..4752, 4703..4753, 5007..5099, 5027..5098		

Seq. No.	35918	Seq. ID	OJ990818_02.9A11.C10
Gene No.	74042	Strand	-
Start	853	End	1723
Name	OJ990818_02.9A11.C10.o1.gs	Method	GENSCAN
Start	853	End	1723
GI	none	Score	.71
Exons	853..965, 989..1036, 1392..1567, 1713..1723		

Seq. No.	35919	Seq. ID	OJ990818_02.9A11.C11
Gene No.	74043	Strand	+
Start	10278	End	15159
Name	OJ990818_02.9A11.C11.o3.gs	Method	GENSCAN
Start	10278	End	15159
GI	none	Score	.74
Exons	10278..11459, 14110..14176, 14774..15159		

Seq. No.	35919	Seq. ID	OJ990818_02.9A11.C11
Gene No.	74044	Strand	+
Start	19735	End	20874
Name	OJ990818_02.9A11.C11.o5.gs	Method	GENSCAN
Start	19735	End	20650
GI	none	Score	.74
Exons	19735..19952, 20039..20172, 20194..20367, 20580..20650		

Seq. No.	35919	Seq. ID	OJ990818_02.9A11.C11
Gene No.	74044	Strand	+
Start	19735	End	20874
Name	OJ990818_02.9A11.C11.o1.np	Method	AAT/NAP
Start	20157	End	20874
GI	2213632	Score	708
Exons	20157..20874		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	35919	Seq. ID	OJ990818_02.9A11.C11
Gene No.	74045	Strand	+
Start	26471	End	27715
Name	OJ990818_02.9A11.C11.o7.gs	Method	GENSCAN
Start	26471	End	27715
GI	none	Score	.66
Exons	26471..27715		

Seq. No.	35919	Seq. ID	OJ990818_02.9A11.C11
Gene No.	74046	Strand	-
Start	792	End	3433
Name	OJ990818_02.9A11.C11.o1.gs	Method	GENSCAN
Start	792	End	3433
GI	none	Score	.75
Exons	792..959, 1481..1533, 2413..2437, 2508..2556, 3228..3433		

Seq. No.	35919	Seq. ID	OJ990818_02.9A11.C11
Gene No.	74047	Strand	-
Start	17605	End	18834
Name	OJ990818_02.9A11.C11.o4.gs	Method	GENSCAN
Start	17605	End	18834
GI	none	Score	.74
Exons	17605..18834		

Seq. No.	35919	Seq. ID	OJ990818_02.9A11.C11
Gene No.	74048	Strand	-
Start	21057	End	26848
Name	OJ990818_02.9A11.C11.o4.tm	Method	TBLASTX:Maize
Start	717	End	903
GI	none	Score	248
Exons	717..902, 718..903		

Seq. No.	35919	Seq. ID	OJ990818_02.9A11.C11
Gene No.	74048	Strand	-
Start	21057	End	26848
Name	OJ990818_02.9A11.C11.o1.ts	Method	TBLASTX:Soybean
Start	810	End	2570
GI	none	Score	76
Exons	810..941, 811..930, 1036..1113, 1040..1102, 1481..1648,		

2508..2570

Seq. No.	35919	Seq. ID	OJ990818_02.9A11.C11
Gene No.	74048	Strand	-
Start	21057	End	26848
Name	OJ990818_02.9A11.C11.o6.tm	Method	TBLASTX:Maize
Start	904	End	3458
GI	none	Score	52
Exons	904..939, 906..941, 906..941, 1034..1102, 1035..1103, 1036..1113, 1481..1669, 1481..1648, 2479..2571, 2503..2613, 2508..2594, 3080..3151, 3235..3303, 3236..3271, 3369..3458, 3371..3454		

Seq. No.	35919	Seq. ID	OJ990818_02.9A11.C11
Gene No.	74048	Strand	-
Start	21057	End	26848
Name	OJ990818_02.9A11.C11.o5.tm	Method	TBLASTX:Maize
Start	10301	End	26848
GI	none	Score	104
Exons	10301..10387, 10302..10421, 10404..10517, 10460..10525, 14941..14997, 14983..15153, 18520..18564, 18643..18798, 26467..26496, 26503..26697, 26525..26686, 26771..26848		

Seq. No.	35919	Seq. ID	OJ990818_02.9A11.C11
Gene No.	74048	Strand	-
Start	21057	End	26848
Name	OJ990818_02.9A11.C11.o2.tw	Method	TBLASTX:Wheat
Start	19861	End	20279
GI	none	Score	73
Exons	19861..19977, 20037..20279, 20051..20236		

Seq. No.	35919	Seq. ID	OJ990818_02.9A11.C11
Gene No.	74048	Strand	-
Start	21057	End	26848
Name	OJ990818_02.9A11.C11.o3.tm	Method	TBLASTX:Maize
Start	20075	End	20399
GI	none	Score	72
Exons	20075..20125, 20082..20135, 20135..20293, 20136..20279, 20228..20398, 20256..20399, 20280..20399		

Seq. No.	35919	Seq. ID	OJ990818_02.9A11.C11
Gene No.	74048	Strand	-
Start	21057	End	26848
Name	OJ990818_02.9A11.C11.o1.tw	Method	TBLASTX:Wheat
Start	20280	End	20566
GI	none	Score	367
Exons	20280..20564, 20282..20566		

Seq. No.	35919	Seq. ID	OJ990818_02.9A11.C11
Gene No.	74048	Strand	-
Start	21057	End	26848
Name	OJ990818_02.9A11.C11.o2.tm	Method	TBLASTX:Maize
Start	20402	End	20856
GI	none	Score	101
Exons	20402..20563, 20402..20572, 20403..20564, 20570..20752, 20740..20787, 20791..20856		

Seq. No.	35919	Seq. ID	OJ990818_02.9A11.C11
Gene No.	74048	Strand	-
Start	21057	End	26848
Name	OJ990818_02.9A11.C11.o3.tw	Method	TBLASTX:Wheat
Start	20570	End	20844
GI	none	Score	67
Exons	20570..20608, 20583..20609, 20611..20703, 20618..20704, 20671..20844, 20671..20841, 20727..20843		

Seq. No.	35919	Seq. ID	OJ990818_02.9A11.C11
Gene No.	74048	Strand	-
Start	21057	End	26848
Name	OJ990818_02.9A11.C11.o6.gs	Method	GENSCAN
Start	21057	End	25620
GI	none	Score	.57
Exons	21057..21443, 22041..22150, 22773..22991, 22996..23196, 23997..24072, 25321..25531, 25565..25620		

Seq. No.	35919	Seq. ID	OJ990818_02.9A11.C11
Gene No.	74048	Strand	-
Start	21057	End	26848
Name	OJ990818_02.9A11.C11.o1.tm	Method	TBLASTX:Maize
Start	21069	End	22024
GI	none	Score	205
Exons	21069..21230, 21538..21618, 21724..22023, 21725..22024		

Seq. No.	35920	Seq. ID	OJ990818_02.9A11.C13
Gene No.	74049	Strand	+
Start	2461	End	3018
Name	OJ990818_02.9A11.C13.o2.np	Method	AAT/NAP
Start	2461	End	3018
GI	2583130	Score	270
Exons	2461..3018		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	35920	Seq. ID	OJ990818_02.9A11.C13
Gene No.	74050	Strand	-
Start	1	End	807
Name	OJ990818_02.9A11.C13.o1.np	Method	AAT/NAP
Start	1	End	807
GI	421954	Score	446
Exons	1..807		
GI Descrip.	hypothetical protein 3 - potato transposon Tst1 gi\|21433\|emb\|CAA36615\| (X52387) ORF3. [Solanum tuberosum]		

Seq. No.	35920	Seq. ID	OJ990818_02.9A11.C13
Gene No.	74050	Strand	-
Start	1	End	807
Name	OJ990818_02.9A11.C13.o1.ts	Method	TBLASTX:Soybean
Start	4	End	369
GI	none	Score	88
Exons	4..270, 14..268, 280..330, 334..369		

Seq. No.	35920	Seq. ID	OJ990818_02.9A11.C13
Gene No.	74050	Strand	-
Start	1	End	807

Name	OJ990818_02.9A11.C13.o1.tw	Method	TBLASTX:Wheat
Start	4	End	309
GI	none	Score	65
Exons	4..309, 14..292		

Seq. No.	35920	Seq. ID	OJ990818_02.9A11.C13
Gene No.	74050	Strand	-
Start	1	End	807
Name	OJ990818_02.9A11.C13.o1.tm	Method	TBLASTX:Maize
Start	217	End	645
GI	none	Score	83
Exons	217..297, 218..295, 254..307, 258..350, 328..453, 333..452, 334..453, 338..460, 449..490, 463..543, 574..645, 581..625		

Seq. No.	35920	Seq. ID	OJ990818_02.9A11.C13
Gene No.	74051	Strand	
Start	2566	End	2952
Name	OJ990818_02.9A11.C13.o2.tw	Method	TBLASTX:Wheat
Start	2566	End	2952
GI	none	Score	106
Exons	2566..2757, 2634..2675, 2761..2952, 2766..2903		

Seq. No.	35921	Seq. ID	OJ990818_02.9A11.C14
Gene No.	74052	Strand	+
Start	277	End	2717
Name	OJ990818_02.9A11.C14.o1.gs	Method	GENSCAN
Start	277	End	2668
GI	none	Score	.75
Exons	277..443, 540..830, 1042..1088, 1166..2668		

Seq. No.	35921	Seq. ID	OJ990818_02.9A11.C14
Gene No.	74052	Strand	+
Start	277	End	2717
Name	OJ990818_02.9A11.C14.o1.np	Method	AAT/NAP
Start	292	End	2717
GI	4582447	Score	1251
Exons	292..2523, 2578..2717		
GI Descrip.	(AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	35921	Seq. ID	OJ990818_02.9A11.C14
Gene No.	74052	Strand	+
Start	277	End	2717
Name	OJ990818_02.9A11.C14.o2.tm	Method	TBLASTX:Maize
Start	525	End	1157
GI	none	Score	85
Exons	525..668, 684..959, 1017..1157		

Seq. No.	35921	Seq. ID	OJ990818_02.9A11.C14
Gene No.	74052	Strand	+
Start	277	End	2717
Name	OJ990818_02.9A11.C14.o1.tw	Method	TBLASTX:Wheat
Start	569	End	950
GI	none	Score	233
Exons	569..661, 570..788, 704..748, 770..931, 770..949, 783..950		

Seq. No.	35921	Seq. ID	OJ990818_02.9A11.C14

Gene No.	74052	Strand	+
Start	277	End	2717
Name	OJ990818_02.9A11.C14.o2.ts	Method	TBLASTX:Soybean
Start	684	End	1001
GI	none	Score	188
Exons	684..1001		

Seq. No.	35921	Seq. ID	OJ990818_02.9A11.C14
Gene No.	74052	Strand	+
Start	277	End	2717
Name	OJ990818_02.9A11.C14.o2.tw	Method	TBLASTX:Wheat
Start	1121	End	1529
GI	none	Score	388
Exons	1121..1477, 1122..1505, 1476..1529		

Seq. No.	35921	Seq. ID	OJ990818_02.9A11.C14
Gene No.	74052	Strand	+
Start	277	End	2717
Name	OJ990818_02.9A11.C14.o1.tm	Method	TBLASTX:Maize
Start	1307	End	1688
GI	none	Score	297
Exons	1307..1678, 1317..1688		

Seq. No.	35921	Seq. ID	OJ990818_02.9A11.C14
Gene No.	74052	Strand	+
Start	277	End	2717
Name	OJ990818_02.9A11.C14.o1.ts	Method	TBLASTX:Soybean
Start	1419	End	1811
GI	none	Score	177
Exons	1419..1775, 1755..1811		

Seq. No.	35921	Seq. ID	OJ990818_02.9A11.C14
Gene No.	74052	Strand	+
Start	277	End	2717
Name	OJ990818_02.9A11.C14.o4.tw	Method	TBLASTX:Wheat
Start	1536	End	1727
GI	none	Score	227
Exons	1536..1727, 1544..1723		

Seq. No.	35921	Seq. ID	OJ990818_02.9A11.C14
Gene No.	74052	Strand	+
Start	277	End	2717
Name	OJ990818_02.9A11.C14.o3.tw	Method	TBLASTX:Wheat
Start	2118	End	2525
GI	none	Score	297
Exons	2118..2525, 2367..2495		

Seq. No.	35922	Seq. ID	OJ990818_02.9A11.C15
Gene No.	74053	Strand	+
Start	1	End	1374
Name	OJ990818_02.9A11.C15.o1.np	Method	AAT/NAP
Start	1	End	1374
GI	5257273	Score	186
Exons	1..23, 1087..1374		
GI Descrip.	(AP000364) Similar to myristoylated alanine-rich C-kinase substrate. (P26645) [Oryza sativa]		

Seq. No.	35923	Seq. ID	OJ990818_02.9A11.C16
Gene No.	74054	Strand	-
Start	134	End	312
Name	OJ990818_02.9A11.C16.o1.gs	Method	GENSCAN
Start	134	End	312
GI	none	Score	.94
Exons	134..312		

Seq. No.	35924	Seq. ID	OJ990818_02.9A11.C17
Gene No.	74055	Strand	-
Start	1	End	702
Name	OJ990818_02.9A11.C17.o1.np	Method	AAT/NAP
Start	1	End	702
GI	6056428	Score	442
Exons	1..702		
GI Descrip.	(AC009525) Very similar to cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	35924	Seq. ID	OJ990818_02.9A11.C17
Gene No.	74055	Strand	-
Start	1	End	702
Name	OJ990818_02.9A11.C17.o1.gs	Method	GENSCAN
Start	15	End	695
GI	none	Score	.95
Exons	15..695		

Seq. No.	35924	Seq. ID	OJ990818_02.9A11.C17
Gene No.	74055	Strand	-
Start	1	End	702
Name	OJ990818_02.9A11.C17.o1.tm	Method	TBLASTX:Maize
Start	42	End	701
GI	none	Score	129
Exons	42..134, 222..701, 238..465		

Seq. No.	35924	Seq. ID	OJ990818_02.9A11.C17
Gene No.	74055	Strand	-
Start	1	End	702
Name	OJ990818_02.9A11.C17.o1.tw	Method	TBLASTX:Wheat
Start	168	End	660
GI	none	Score	51
Exons	168..659, 233..319, 235..660		

Seq. No.	35924	Seq. ID	OJ990818_02.9A11.C17
Gene No.	74055	Strand	-
Start	1	End	702
Name	OJ990818_02.9A11.C17.o1.ts	Method	TBLASTX:Soybean
Start	222	End	515
GI	none	Score	124
Exons	222..515, 238..465		

Seq. No.	35924	Seq. ID	OJ990818_02.9A11.C17
Gene No.	74055	Strand	-
Start	1	End	702
Name	OJ990818_02.9A11.C17.o1.tc	Method	TBLASTX:Cress
Start	243	End	668
GI	none	Score	36
Exons	243..581, 256..288, 340..462, 588..668		

Seq. No.	35925	Seq. ID	OJ990818_02.9A11.C18
Gene No.	74056	Strand	+
Start	1	End	780
Name	OJ990818_02.9A11.C18.o1.np	Method	AAT/NAP
Start	1	End	780
GI	421955	Score	734
Exons	1..780		
GI Descrip.	hypothetical protein 4 - potato transposon Tst1 gi\|21434\|emb\|CAA36616\| (X52387) ORF4 [Solanum tuberosum]		

Seq. No.	35925	Seq. ID	OJ990818_02.9A11.C18
Gene No.	74057	Strand	+
Start	1430	End	1552
Name	OJ990818_02.9A11.C18.o1.gs	Method	GENSCAN
Start	1430	End	1552
GI	none	Score	.57
Exons	1430..1552		

Seq. No.	35925	Seq. ID	OJ990818_02.9A11.C18
Gene No.	74058	Strand	+
Start	1703	End	1768
Name	OJ990818_02.9A11.C18.o1.gp	Method	AAT/GAP
Start	1703	End	1768
GI	2312838	Score	71
Exons	1703..1768		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	35925	Seq. ID	OJ990818_02.9A11.C18
Gene No.	74059	Strand	-
Start	2473	End	5146
Name	OJ990818_02.9A11.C18.o3.tw	Method	TBLASTX:Wheat
Start	6	End	392
GI	none	Score	105
Exons	6..125, 146..277, 147..392, 348..386		

Seq. No.	35925	Seq. ID	OJ990818_02.9A11.C18
Gene No.	74059	Strand	-
Start	2473	End	5146
Name	OJ990818_02.9A11.C18.o3.tm	Method	TBLASTX:Maize
Start	138	End	800
GI	none	Score	321
Exons	138..488, 236..487, 564..800, 575..643		

Seq. No.	35925	Seq. ID	OJ990818_02.9A11.C18
Gene No.	74059	Strand	-
Start	2473	End	5146
Name	OJ990818_02.9A11.C18.o1.ts	Method	TBLASTX:Soybean
Start	156	End	836
GI	none	Score	395
Exons	156..491, 158..643, 340..630, 570..836, 714..830		

Seq. No.	35925	Seq. ID	OJ990818_02.9A11.C18
Gene No.	74059	Strand	-
Start	2473	End	5146
Name	OJ990818_02.9A11.C18.o2.gs	Method	GENSCAN

Start	2473	End	5146
GI	none	Score	.97
Exons	2473..4134, 4226..5146		

Seq. No.	35925	Seq. ID	OJ990818_02.9A11.C18
Gene No.	74059	Strand	-
Start	2473	End	5146
Name	OJ990818_02.9A11.C18.o2.np	Method	AAT/NAP
Start	2512	End	4998
GI	6714431	Score	1748
Exons	2512..4134, 4226..4998		
GI Descrip.	(AC012328) putative cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	35925	Seq. ID	OJ990818_02.9A11.C18
Gene No.	74059	Strand	-
Start	2473	End	5146
Name	OJ990818_02.9A11.C18.o1.tm	Method	TBLASTX:Maize
Start	2623	End	3538
GI	none	Score	129
Exons	2623..2703, 2791..3531, 2807..3034, 3113..3538		

Seq. No.	35925	Seq. ID	OJ990818_02.9A11.C18
Gene No.	74059	Strand	-
Start	2473	End	5146
Name	OJ990818_02.9A11.C18.o2.tc	Method	TBLASTX:Cress
Start	2623	End	5002
GI	none	Score	150
Exons	2623..2700, 3727..3843, 3853..4044, 3854..4045, 4283..4348, 4284..4352, 4358..4687, 4473..4667, 4742..5002		

Seq. No.	35925	Seq. ID	OJ990818_02.9A11.C18
Gene No.	74059	Strand	-
Start	2473	End	5146
Name	OJ990818_02.9A11.C18.o4.ts	Method	TBLASTX:Soybean
Start	2638	End	3379
GI	none	Score	69
Exons	2638..2700, 2791..2868, 2867..3052, 2878..3231, 3253..3378, 3257..3379		

Seq. No.	35925	Seq. ID	OJ990818_02.9A11.C18
Gene No.	74059	Strand	-
Start	2473	End	5146
Name	OJ990818_02.9A11.C18.o1.tw	Method	TBLASTX:Wheat
Start	2737	End	3229
GI	none	Score	512
Exons	2737..3228, 2804..3229		

Seq. No.	35925	Seq. ID	OJ990818_02.9A11.C18
Gene No.	74059	Strand	-
Start	2473	End	5146
Name	OJ990818_02.9A11.C18.o1.tc	Method	TBLASTX:Cress
Start	2812	End	3726
GI	none	Score	36
Exons	2812..3150, 2825..2857, 2909..3031, 3157..3237, 3223..3531, 3227..3538, 3542..3598, 3646..3726, 3647..3724		

Seq. No.	35925	Seq. ID	OJ990818_02.9A11.C18
Gene No.	74059	Strand	-
Start	2473	End	5146
Name	OJ990818_02.9A11.C18.o2.ts	Method	TBLASTX:Soybean
Start	3386	End	4071
GI	none	Score	95
Exons	3386..3538, 3388..3654, 3542..3604, 3644..3844, 3646..3843, 3815..4069, 3844..4071		

Seq. No.	35925	Seq. ID	OJ990818_02.9A11.C18
Gene No.	74059	Strand	-
Start	2473	End	5146
Name	OJ990818_02.9A11.C18.o4.tm	Method	TBLASTX:Maize
Start	3646	End	4045
GI	none	Score	142
Exons	3646..3837, 3650..3838, 3853..4044, 3854..4045		

Seq. No.	35925	Seq. ID	OJ990818_02.9A11.C18
Gene No.	74059	Strand	-
Start	2473	End	5146
Name	OJ990818_02.9A11.C18.o2.tw	Method	TBLASTX:Wheat
Start	3691	End	4062
GI	none	Score	135
Exons	3691..3843, 3692..3844, 3844..4062, 3845..4054		

Seq. No.	35925	Seq. ID	OJ990818_02.9A11.C18
Gene No.	74059	Strand	-
Start	2473	End	5146
Name	OJ990818_02.9A11.C18.o2.tm	Method	TBLASTX:Maize
Start	4223	End	4874
GI	none	Score	82
Exons	4223..4315, 4223..4318, 4334..4735, 4337..4444, 4461..4667, 4727..4873, 4749..4874		

Seq. No.	35925	Seq. ID	OJ990818_02.9A11.C18
Gene No.	74059	Strand	-
Start	2473	End	5146
Name	OJ990818_02.9A11.C18.o3.ts	Method	TBLASTX:Soybean
Start	4223	End	4687
GI	none	Score	64
Exons	4223..4315, 4223..4318, 4224..4322, 4334..4549, 4350..4400, 4473..4550, 4550..4687, 4554..4667		

Seq. No.	35925	Seq. ID	OJ990818_02.9A11.C18
Gene No.	74059	Strand	-
Start	2473	End	5146
Name	OJ990818_02.9A11.C18.o4.tw	Method	TBLASTX:Wheat
Start	4283	End	4568
GI	none	Score	42
Exons	4283..4366, 4284..4352, 4376..4567, 4473..4568		

Seq. No.	35926	Seq. ID	OJ990818_02.9A11.C21
Gene No.	74060	Strand	-
Start	107	End	601
Name	OJ990818_02.9A11.C21.o1.ts	Method	TBLASTX:Soybean
Start	81	End	601
GI	none	Score	63

Exons	81..200, 108..203, 109..201, 160..207, 219..446, 250..447, 572..601		
Seq. No.	35926	Seq. ID	OJ990818_02.9A11.C21
Gene No.	74060	Strand	-
Start	107	End	601
Name	OJ990818_02.9A11.C21.o1.np	Method	AAT/NAP
Start	107	End	601
GI	6714431	Score	293
Exons	107..498, 544..601		
GI Descrip.	(AC012328) putative cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	35926	Seq. ID	OJ990818_02.9A11.C21
Gene No.	74060	Strand	-
Start	107	End	601
Name	OJ990818_02.9A11.C21.o1.tm	Method	TBLASTX:Maize
Start	108	End	601
GI	none	Score	76
Exons	108..200, 108..203, 109..201, 219..494, 228..467, 250..495, 572..601		

Seq. No.	35926	Seq. ID	OJ990818_02.9A11.C21
Gene No.	74060	Strand	-
Start	107	End	601
Name	OJ990818_02.9A11.C21.o1.gs	Method	GENSCAN
Start	111	End	467
GI	none	Score	.87
Exons	111..467		

Seq. No.	35926	Seq. ID	OJ990818_02.9A11.C21
Gene No.	74060	Strand	-
Start	107	End	601
Name	OJ990818_02.9A11.C21.o1.tc	Method	TBLASTX:Cress
Start	117	End	494
GI	none	Score	39
Exons	117..203, 118..201, 237..494, 250..456		

Seq. No.	35926	Seq. ID	OJ990818_02.9A11.C21
Gene No.	74060	Strand	-
Start	107	End	601
Name	OJ990818_02.9A11.C21.o1.tw	Method	TBLASTX:Wheat
Start	168	End	465
GI	none	Score	86
Exons	168..209, 255..464, 370..465		

Seq. No.	35927	Seq. ID	OJ990808_34.9B15.C1
Gene No.	74061	Strand	+
Start	1	End	171
Name	OJ990808_34.9B15.C1.o1.gp	Method	AAT/GAP
Start	1	End	171
GI	183_6.R1084	Score	342
Exons	1..171		
GI Descrip.	'133748/sp\|P12149\|RR12_ORYSA 3.0e-66 CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 >gi_70961_pir__R3RZ12 ribosomal protein S12 - rice chloroplast >gi_1213603_emb_CAA33929_ (X15901) ribosomal protein S12 [Oryza sativa] >gi_226658_prf__1603356CJ ribosomal protein		

S12 [Oryza sativa]'

Seq. No.	35927	Seq. ID	OJ990808_34.9B15.C1
Gene No.	74061	Strand	+
Start	1	End	171
Name	OJ990808_34.9B15.C1.o1.tc	Method	TBLASTX:Cress
Start	1	End	170
GI	none	Score	273
Exons	1..45, 2..169, 2..169, 3..170		

Seq. No.	35927	Seq. ID	OJ990808_34.9B15.C1
Gene No.	74061	Strand	+
Start	1	End	171
Name	OJ990808_34.9B15.C1.o1.tw	Method	TBLASTX:Wheat
Start	1	End	171
GI	none	Score	311
Exons	1..45, 2..169, 2..169, 3..170, 100..171		

Seq. No.	35927	Seq. ID	OJ990808_34.9B15.C1
Gene No.	74061	Strand	+
Start	1	End	171
Name	OJ990808_34.9B15.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	171
GI	none	Score	311
Exons	1..45, 2..169, 2..169, 100..171		

Seq. No.	35927	Seq. ID	OJ990808_34.9B15.C1
Gene No.	74061	Strand	+
Start	1	End	171
Name	OJ990808_34.9B15.C1.o1.np	Method	AAT/NAP
Start	1	End	171
GI	133748	Score	283
Exons	1..171		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 gi\|70961\|pir\|\|R3RZ12 ribosomal protein S12 - rice chloroplast gi\|1213603\|emb\|CAA33929\| (X15901) ribosomal protein S12 [Oryza sativa] gi\|226658\|prf\|\|1603356CJ ribosomal protein S12 [Oryza sativa]		

Seq. No.	35928	Seq. ID	OJ990808_34.9B15.C2
Gene No.	74062	Strand	
Start	1	End	303
Name	OJ990808_34.9B15.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	303
GI	none	Score	56
Exons	1..24, 3..26, 24..59, 25..87, 26..97, 28..126, 79..159, 135..266, 135..170, 136..303, 259..288		

Seq. No.	35929	Seq. ID	OJ990808_34.9B15.C3
Gene No.	74063	Strand	-
Start	186	End	665
Name	OJ990808_34.9B15.C3.o1.np	Method	AAT/NAP
Start	186	End	665
GI	129861	Score	825
Exons	186..665		
GI Descrip.	CYTOCHROME B6-F COMPLEX SUBUNIT 4 (17 KD POLYPEPTIDE) gi\|65640\|pir\|\|WMRZ17 plastoquinol--plastocyanin reductase (EC		

1.10.99.1) 17K protein - rice chloroplast
gi|669083|emb|CAA33978| (X15901) cytochrome b/f [Oryza sativa]

Seq. No.	35929	Seq. ID	OJ990808_34.9B15.C3
Gene No.	74064	Strand	-
Start	1608	End	1847
Name	OJ990808_34.9B15.C3.o1.ts	Method	TBLASTX:Soybean
Start	80	End	1290
GI	none	Score	593
Exons	80..136, 178..276, 180..707, 182..730, 184..744, 207..746, 316..753, 1007..1033, 1055..1141, 1056..1139, 1171..1290, 1198..1290		

Seq. No.	35929	Seq. ID	OJ990808_34.9B15.C3
Gene No.	74064	Strand	-
Start	1608	End	1847
Name	OJ990808_34.9B15.C3.o3.tc	Method	TBLASTX:Cress
Start	301	End	506
GI	none	Score	288
Exons	301..504, 303..506		

Seq. No.	35929	Seq. ID	OJ990808_34.9B15.C3
Gene No.	74064	Strand	-
Start	1608	End	1847
Name	OJ990808_34.9B15.C3.o2.tc	Method	TBLASTX:Cress
Start	507	End	788
GI	none	Score	310
Exons	507..788, 508..753		

Seq. No.	35929	Seq. ID	OJ990808_34.9B15.C3
Gene No.	74064	Strand	-
Start	1608	End	1847
Name	OJ990808_34.9B15.C3.o2.tm	Method	TBLASTX:Maize
Start	1199	End	1439
GI	none	Score	72
Exons	1199..1243, 1201..1242, 1245..1439, 1247..1438		

Seq. No.	35929	Seq. ID	OJ990808_34.9B15.C3
Gene No.	74064	Strand	-
Start	1608	End	1847
Name	OJ990808_34.9B15.C3.o1.tc	Method	TBLASTX:Cress
Start	1376	End	1847
GI	none	Score	67
Exons	1376..1429, 1376..1429, 1473..1547, 1481..1552, 1482..1550, 1588..1845, 1605..1721, 1605..1847, 1606..1845, 1761..1847		

Seq. No.	35929	Seq. ID	OJ990808_34.9B15.C3
Gene No.	74064	Strand	-
Start	1608	End	1847
Name	OJ990808_34.9B15.C3.o2.ts	Method	TBLASTX:Soybean
Start	1513	End	1847
GI	none	Score	47
Exons	1513..1548, 1520..1549, 1578..1712, 1578..1847, 1579..1845, 1589..1846		

Seq. No.	35929	Seq. ID	OJ990808_34.9B15.C3
Gene No.	74064	Strand	-

Start	1608	End	1847
Name	OJ990808_34.9B15.C3.o1.tm	Method	TBLASTX:Maize
Start	1605	End	1847
GI	none	Score	273
Exons	1605..1847, 1606..1845		

Seq. No.	35929	Seq. ID	OJ990808_34.9B15.C3
Gene No.	74064	Strand	-
Start	1608	End	1847
Name	OJ990808_34.9B15.C3.o2.np	Method	AAT/NAP
Start	1608	End	1847
GI	343210	Score	412
Exons	1608..1847		
GI Descrip.	(M35995) apocytochrome b6 (alt.) [Oryza sativa] gi\|226762\|prf\|\|1604469A cytochrome b6 [Oryza sativa]		

Seq. No.	35930	Seq. ID	OJ990808_34.9B15.C4
Gene No.	74065	Strand	+
Start	1	End	170
Name	OJ990808_34.9B15.C4.o1.gp	Method	AAT/GAP
Start	1	End	170
GI	2653_1.R1084	Score	316
Exons	1..170		
GI Descrip.	'11998/emb\|CAA33959\| 5.0e-35 (X15901) ORF85 [Oryza sativa] >gi_226619_prf__1603356AR ORF 85A [Oryza sativa]'		

Seq. No.	35930	Seq. ID	OJ990808_34.9B15.C4
Gene No.	74066	Strand	-
Start	48	End	722
Name	OJ990808_34.9B15.C4.o1.tm	Method	TBLASTX:Maize
Start	30	End	449
GI	none	Score	641
Exons	30..434, 30..431, 32..439, 417..449		

Seq. No.	35930	Seq. ID	OJ990808_34.9B15.C4
Gene No.	74066	Strand	-
Start	48	End	722
Name	OJ990808_34.9B15.C4.o1.ts	Method	TBLASTX:Soybean
Start	30	End	614
GI	none	Score	56
Exons	30..107, 48..107, 129..185, 134..196, 134..193, 216..431, 219..431, 262..465, 419..556, 453..614, 469..609		

Seq. No.	35930	Seq. ID	OJ990808_34.9B15.C4
Gene No.	74066	Strand	-
Start	48	End	722
Name	OJ990808_34.9B15.C4.o1.tc	Method	TBLASTX:Cress
Start	47	End	608
GI	none	Score	109
Exons	47..136, 48..131, 115..183, 117..605, 123..608, 226..606		

Seq. No.	35930	Seq. ID	OJ990808_34.9B15.C4
Gene No.	74066	Strand	-
Start	48	End	722
Name	OJ990808_34.9B15.C4.o1.gs	Method	GENSCAN
Start	48	End	605
GI	none	Score	.76

Exons	48..388, 473..514, 548..605		
Seq. No.	35930	Seq. ID	OJ990808_34.9B15.C4
Gene No.	74066	Strand	-
Start	48	End	722
Name	OJ990808_34.9B15.C4.o1.np	Method	AAT/NAP
Start	51	End	605
GI	140291	Score	977
Exons	51..605		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi\|82541\|pir\|\|S05116 hypothetical protein 185 - rice chloroplast gi\|11997\|emb\|CAA33958\| (X15901) ORF185 [Oryza sativa] gi\|226618\|prf\|\|1603356AQ ORF 185 [Oryza sativa]		
Seq. No.	35930	Seq. ID	OJ990808_34.9B15.C4
Gene No.	74066	Strand	-
Start	48	End	722
Name	OJ990808_34.9B15.C4.o2.gp	Method	AAT/GAP
Start	174	End	722
GI	7528_2.R1084	Score	1037
Exons	174..722		
GI Descrip.	'140291/sp\|P12206\|YCF4_ORYSA 7.0e-68 HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi_82541_pir__S05116 hypothetical protein 185 - rice chloroplast >gi_11997_emb_CAA33958_ (X15901) ORF185 [Oryza sativa] >gi_226618_prf__1603356AQ ORF 185 [Oryza sativa]'		
Seq. No.	35931	Seq. ID	OJ990808_34.9B15.C5
Gene No.	74067	Strand	+
Start	1	End	480
Name	OJ990808_34.9B15.C5.o1.np	Method	AAT/NAP
Start	1	End	480
GI	133416	Score	797
Exons	1..480		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA CHAIN gi\|66970\|pir\|\|RNRZB DNA-directed RNA polymerase (EC 2.7.7.6) beta chain - rice chloroplast gi\|11971\|emb\|CAA33986\| (X15901) RNA polymerase beta subunit [Oryza sativa]		
Seq. No.	35932	Seq. ID	OJ990808_34.9B15.C6
Gene No.	74068	Strand	-
Start	123	End	700
Name	OJ990808_34.9B15.C6.o1.tm	Method	TBLASTX:Maize
Start	94	End	630
GI	none	Score	78
Exons	94..150, 95..166, 96..170, 261..605, 261..608, 271..630, 415..621		
Seq. No.	35932	Seq. ID	OJ990808_34.9B15.C6
Gene No.	74068	Strand	-
Start	123	End	700
Name	OJ990808_34.9B15.C6.o1.gp	Method	AAT/GAP
Start	123	End	700
GI	14384_1.R1084	Score	985
Exons	123..700		
GI Descrip.	'5881726/dbj\|BAA84417.1\| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	35932	Seq. ID	OJ990808_34.9B15.C6
Gene No.	74068	Strand	-
Start	123	End	700
Name	OJ990808_34.9B15.C6.o1.tw	Method	TBLASTX:Wheat
Start	225	End	700
GI	none	Score	718
Exons	225..698, 231..698, 271..699,	275..700	

Seq. No.	35932	Seq. ID	OJ990808_34.9B15.C6
Gene No.	74068	Strand	-
Start	123	End	700
Name	OJ990808_34.9B15.C6.o1.gs	Method	GENSCAN
Start	231	End	644
GI	none	Score	.87
Exons	231..644		

Seq. No.	35932	Seq. ID	OJ990808_34.9B15.C6
Gene No.	74068	Strand	-
Start	123	End	700
Name	OJ990808_34.9B15.C6.o1.np	Method	AAT/NAP
Start	234	End	700
GI	283012	Score	816
Exons	234..700		
GI Descrip.	ribulose-bisphosphate carboxylase (EC 4.1.1.39) large chain - rice chloroplast gi\|11955\|emb\|CAA28475\| (X04789) ribulose-1,5-bisphosphate carboxylase (AA 1 - 477) [Oryza sativa]		

Seq. No.	35932	Seq. ID	OJ990808_34.9B15.C6
Gene No.	74068	Strand	-
Start	123	End	700
Name	OJ990808_34.9B15.C6.o1.tc	Method	TBLASTX:Cress
Start	241	End	510
GI	none	Score	359
Exons	241..342, 243..509, 243..509,	379..510	

Seq. No.	35933	Seq. ID	OJ990808_34.9B15.C7
Gene No.	74069	Strand	-
Start	1	End	640
Name	OJ990808_34.9B15.C7.o1.np	Method	AAT/NAP
Start	1	End	640
GI	2498930	Score	758
Exons	1..413, 581..640		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	35933	Seq. ID	OJ990808_34.9B15.C7
Gene No.	74069	Strand	-
Start	1	End	640
Name	OJ990808_34.9B15.C7.o1.gs	Method	GENSCAN
Start	19	End	640
GI	none	Score	1
Exons	19..413, 581..640		

Seq. No.	35934	Seq. ID	OJ990808_34.9B15.C8
Gene No.	74070	Strand	-
Start	662	End	875

Name	OJ990808_34.9B15.C8.o1.ts	Method	TBLASTX:Soybean
Start	15	End	874
GI	none	Score	59
Exons	15..62, 15..59, 16..69, 59..124, 65..157, 66..158, 99..170, 253..318, 253..312, 260..313, 366..527, 369..545, 371..547, 394..528, 530..574, 548..574, 725..868, 725..874, 733..873		

Seq. No.	35934	Seq. ID	OJ990808_34.9B15.C8
Gene No.	74070	Strand	-
Start	662	End	875
Name	OJ990808_34.9B15.C8.o1.tm	Method	TBLASTX:Maize
Start	221	End	829
GI	none	Score	62
Exons	221..250, 224..250, 226..252, 226..252, 251..478, 252..545, 254..541, 255..545, 256..546, 256..546, 533..577, 539..577, 578..601, 579..605, 608..826, 609..827, 613..828, 614..829		

Seq. No.	35934	Seq. ID	OJ990808_34.9B15.C8
Gene No.	74070	Strand	-
Start	662	End	875
Name	OJ990808_34.9B15.C8.o1.gp	Method	AAT/GAP
Start	414	End	581
GI	LIB3431-017-P1-K1-H4	Score	283
Exons	414..581		
GI Descrip.	'1173189/sp\|P12340\|RR12_MAIZE 8.0e-18 CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 >gi_2119091_pir__S58629 ribosomal protein S12 - maize chloroplast >gi_342619 (M17841) ribosomal protein S12 [Zea mays] >gi_1216141_emb_CAA60309_ (X86563) ribosomal protein S12 [Zea mays]'		

Seq. No.	35934	Seq. ID	OJ990808_34.9B15.C8
Gene No.	74070	Strand	-
Start	662	End	875
Name	OJ990808_34.9B15.C8.o1.np	Method	AAT/NAP
Start	414	End	527
GI	12415	Score	198
Exons	414..527		
GI Descrip.	(X60548) chloroplast ribosomal protein S12 [Zea mays]		

Seq. No.	35934	Seq. ID	OJ990808_34.9B15.C8
Gene No.	74070	Strand	-
Start	662	End	875
Name	OJ990808_34.9B15.C8.o1.gs	Method	GENSCAN
Start	662	End	856
GI	none	Score	.51
Exons	662..856		

Seq. No.	35934	Seq. ID	OJ990808_34.9B15.C8
Gene No.	74070	Strand	-
Start	662	End	875
Name	OJ990808_34.9B15.C8.o2.np	Method	AAT/NAP
Start	665	End	875
GI	116526	Score	368
Exons	665..875		
GI Descrip.	PROBABLE CLPP-LIKE PROTEASE (ENDOPEPTIDASE CLP) (ORF 216) gi\|82522\|pir\|\|JQ0251 hypothetical 24.7K protein (rps12-psbN intergenic region) - rice chloroplast gi\|12012\|emb\|CAA33972\|		

(X15901) ORF216 [Oryza sativa] gi|226633|prf||1603356BG ORF 216 [Oryza sativa]

Seq. No.	35935	Seq. ID	OJ990808_34.9B15.C9
Gene No.	74071	Strand	+
Start	1	End	1542
Name	OJ990808_34.9B15.C9.o1.np	Method	AAT/NAP
Start	1	End	638
GI	133435	Score	923
Exons	1..638		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA' CHAIN gi\|66983\|pir\|\|RNRZC1 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-1 chain - rice chloroplast gi\|11972\|emb\|CAA33987\| (X15901) RNA polymerase beta' subunit-1 [Oryza sativa] gi\|226690\|prf\|\|1603356Q RNA polymerase beta'-1 [Oryza sativa]		

Seq. No.	35935	Seq. ID	OJ990808_34.9B15.C9
Gene No.	74071	Strand	+
Start	1	End	1542
Name	OJ990808_34.9B15.C9.o1.tc	Method	TBLASTX:Cress
Start	2	End	559
GI	none	Score	231
Exons	2..154, 3..155, 147..257, 153..263, 154..318, 313..558, 315..557, 326..559		

Seq. No.	35935	Seq. ID	OJ990808_34.9B15.C9
Gene No.	74071	Strand	+
Start	1	End	1542
Name	OJ990808_34.9B15.C9.o1.gs	Method	GENSCAN
Start	49	End	1521
GI	none	Score	.57
Exons	49..97, 191..317, 345..487, 1013..1521		

Seq. No.	35935	Seq. ID	OJ990808_34.9B15.C9
Gene No.	74071	Strand	+
Start	1	End	1542
Name	OJ990808_34.9B15.C9.o2.ts	Method	TBLASTX:Soybean
Start	101	End	537
GI	none	Score	55
Exons	101..166, 116..154, 153..257, 154..258, 155..271, 298..537, 299..508, 309..536		

Seq. No.	35935	Seq. ID	OJ990808_34.9B15.C9
Gene No.	74071	Strand	+
Start	1	End	1542
Name	OJ990808_34.9B15.C9.o1.tm	Method	TBLASTX:Maize
Start	203	End	535
GI	none	Score	69
Exons	203..271, 205..258, 298..534, 299..535		

Seq. No.	35935	Seq. ID	OJ990808_34.9B15.C9
Gene No.	74071	Strand	+
Start	1	End	1542
Name	OJ990808_34.9B15.C9.o1.ts	Method	TBLASTX:Soybean
Start	539	End	1542
GI	none	Score	57
Exons	539..610, 567..614, 739..786, 743..787, 805..837, 837..887,		

840..887, 886..969, 887..970, 888..977, 889..978, 905..988, 967..1542, 969..1541

Seq. No.	35935	Seq. ID	OJ990808_34.9B15.C9
Gene No.	74071	Strand	+
Start	1	End	1542
Name	OJ990808_34.9B15.C9.o2.tm	Method	TBLASTX:Maize
Start	543	End	1036
GI	none	Score	114
Exons	543..644, 546..641, 739..786, 743..787, 805..837, 837..887, 840..887, 886..969, 887..970, 888..977, 889..978, 905..988, 967..1035, 969..1034, 974..1036, 974..1036		

Seq. No.	35935	Seq. ID	OJ990808_34.9B15.C9
Gene No.	74071	Strand	+
Start	1	End	1542
Name	OJ990808_34.9B15.C9.o2.np	Method	AAT/NAP
Start	841	End	1542
GI	133446	Score	1166
Exons	841..1542		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA" CHAIN gi\|66986\|pir\|\|RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-2 chain - rice chloroplast gi\|11973\|emb\|CAA33988\| (X15901) RNA polymerase beta' subunit-2 [Oryza sativa]		

Seq. No.	35935	Seq. ID	OJ990808_34.9B15.C9
Gene No.	74071	Strand	+
Start	1	End	1542
Name	OJ990808_34.9B15.C9.o2.tc	Method	TBLASTX:Cress
Start	932	End	1324
GI	none	Score	62
Exons	932..970, 967..1323, 969..1322, 1253..1324		

Seq. No.	35936	Seq. ID	OJ990808_34.9B15.C10
Gene No.	74072	Strand	+
Start	77	End	1016
Name	OJ990808_34.9B15.C10.o1.gs	Method	GENSCAN
Start	77	End	954
GI	none	Score	.69
Exons	77..194, 500..954		

Seq. No.	35936	Seq. ID	OJ990808_34.9B15.C10
Gene No.	74072	Strand	+
Start	77	End	1016
Name	OJ990808_34.9B15.C10.o1.np	Method	AAT/NAP
Start	280	End	1016
GI	131323	Score	1236
Exons	280..1016		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT K gi\|72688\|pir\|\|F2RZG psbG protein - rice chloroplast gi\|11988\|emb\|CAA34000\| (X15901) psbG; PSII G protein [Oryza sativa] gi\|226609\|prf\|\|1603356AF photosystem II G protein [Oryza sativa]		

Seq. No.	35936	Seq. ID	OJ990808_34.9B15.C10
Gene No.	74073	Strand	+
Start	1116	End	1467
Name	OJ990808_34.9B15.C10.o2.np	Method	AAT/NAP

Start	1116	End	1467
GI	128857	Score	633
Exons	1116..1467		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT J (ORF 159) gi\|82539\|pir\|\|S05106 hypothetical protein 159 - rice chloroplast gi\|11987\|emb\|CAA33999\| (X15901) ORF159 [Oryza sativa] gi\|226608\|prf\|\|1603356AE ORF 159 [Oryza sativa]		

Seq. No.	35936	Seq. ID	OJ990808_34.9B15.C10
Gene No.	74074	Strand	-
Start	1	End	1467
Name	OJ990808_34.9B15.C10.o1.gp	Method	AAT/GAP
Start	1	End	318
GI	2409_1.R1084	Score	632
Exons	1..318		
GI Descrip.	'128690/sp\|P12126\|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	35936	Seq. ID	OJ990808_34.9B15.C10
Gene No.	74074	Strand	-
Start	1	End	1467
Name	OJ990808_34.9B15.C10.o1.tm	Method	TBLASTX:Maize
Start	1	End	1467
GI	none	Score	439
Exons	1..285, 2..301, 2..295, 306..857, 327..857, 337..861, 475..858, 833..913, 834..914, 844..915, 847..915, 914..1012, 915..1052, 915..1016, 925..1041, 1026..1058, 1035..1466, 1039..1467, 1055..1459		

Seq. No.	35936	Seq. ID	OJ990808_34.9B15.C10
Gene No.	74074	Strand	-
Start	1	End	1467
Name	OJ990808_34.9B15.C10.o3.ts	Method	TBLASTX:Soybean
Start	1	End	292
GI	none	Score	390
Exons	1..291, 5..289, 5..292		

Seq. No.	35936	Seq. ID	OJ990808_34.9B15.C10
Gene No.	74074	Strand	-
Start	1	End	1467
Name	OJ990808_34.9B15.C10.o3.tc	Method	TBLASTX:Cress
Start	1	End	298
GI	none	Score	334
Exons	1..249, 5..217, 26..250, 43..249, 266..298		

Seq. No.	35936	Seq. ID	OJ990808_34.9B15.C10
Gene No.	74074	Strand	-
Start	1	End	1467
Name	OJ990808_34.9B15.C10.o1.ts	Method	TBLASTX:Soybean
Start	294	End	977
GI	none	Score	540
Exons	294..914, 330..911, 337..912, 912..977, 912..977		

Seq. No.	35936	Seq. ID	OJ990808_34.9B15.C10
Gene No.	74074	Strand	-
Start	1	End	1467
Name	OJ990808_34.9B15.C10.o1.tc	Method	TBLASTX:Cress
Start	329	End	1044
GI	none	Score	333
Exons	329..643, 330..758, 337..759, 796..867, 857..916, 857..913, 916..1026	590..760, 753..809, 754..912, 912..1019, 912..1016, 913..1044,	

Seq. No.	35936	Seq. ID	OJ990808_34.9B15.C10
Gene No.	74074	Strand	-
Start	1	End	1467
Name	OJ990808_34.9B15.C10.o1.tw	Method	TBLASTX:Wheat
Start	360	End	891
GI	none	Score	542
Exons	360..890, 360..890, 361..891		

Seq. No.	35936	Seq. ID	OJ990808_34.9B15.C10
Gene No.	74074	Strand	-
Start	1	End	1467
Name	OJ990808_34.9B15.C10.o2.ts	Method	TBLASTX:Soybean
Start	1106	End	1467
GI	none	Score	521
Exons	1106..1459, 1122..1466, 1122..1466, 1123..1467		

Seq. No.	35936	Seq. ID	OJ990808_34.9B15.C10
Gene No.	74074	Strand	-
Start	1	End	1467
Name	OJ990808_34.9B15.C10.o2.tc	Method	TBLASTX:Cress
Start	1131	End	1467
GI	none	Score	466
Exons	1131..1466, 1133..1459, 1140..1466, 1141..1467		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74075	Strand	+
Start	1990	End	2105
Name	OJ990808_34.9B15.C11.o1.gp	Method	AAT/GAP
Start	1990	End	2105
GI	LIB3431-013-P1-K1-B3	Score	181
Exons	1990..2105		
GI Descrip.	'6002093/emb\|X84149.1\|CHZLRPS4G 9.0e-21 Zizania latifolia cloroplast rps4 gene for ribosomal protein S4'		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74076	Strand	+
Start	2010	End	4745
Name	OJ990808_34.9B15.C11.o1.gs	Method	GENSCAN
Start	2010	End	3801
GI	none	Score	.81
Exons	2010..2554, 3741..3801		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74076	Strand	+
Start	2010	End	4745
Name	OJ990808_34.9B15.C11.o2.np	Method	AAT/NAP
Start	2010	End	2612

GI	133958	Score	1021
Exons	2010..2612		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S4 gi\|70878\|pir\|\|R3RZ4 ribosomal protein S4 - rice chloroplast gi\|11986\|emb\|CAA33998\| (X15901) rps4; ribosomal protein S4 [Oryza sativa] gi\|226607\|prf\|\|1603356AD ribosomal protein S4 [Oryza sativa]		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74076	Strand	+
Start	2010	End	4745
Name	OJ990808_34.9B15.C11.o3.np	Method	AAT/NAP
Start	3585	End	4745
GI	669081	Score	555
Exons	3585..3708, 4451..4745		
GI Descrip.	(X15901) ORF170 [Oryza sativa]		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74077	Strand	-
Start	1	End	312
Name	OJ990808_34.9B15.C11.o1.np	Method	AAT/NAP
Start	1	End	312
GI	6723724	Score	100
Exons	1..312		
GI Descrip.	(AJ271079) hypothetical protein [Oenothera elata subsp. hookeri]		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74078	Strand	
Start	242	End	1258
Name	OJ990808_34.9B15.C11.o4.tc	Method	TBLASTX:Cress
Start	242	End	378
GI	none	Score	145
Exons	242..367, 243..368, 244..375, 244..378		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74078	Strand	
Start	242	End	1258
Name	OJ990808_34.9B15.C11.o2.tm	Method	TBLASTX:Maize
Start	267	End	1258
GI	none	Score	141
Exons	267..368, 268..381, 271..381, 308..382, 375..443, 379..456, 380..457, 380..457, 452..550, 453..551, 511..558, 630..722, 634..732, 638..757, 641..733, 725..760, 727..756, 756..992, 756..992, 757..993, 766..996, 767..997, 977..1147, 989..1150, 990..1148, 1143..1226, 1145..1258		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74078	Strand	
Start	242	End	1258
Name	OJ990808_34.9B15.C11.o2.tw	Method	TBLASTX:Wheat
Start	619	End	881
GI	none	Score	73
Exons	619..693, 619..705, 693..881, 717..758, 724..777, 756..872, 757..873, 764..874		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74078	Strand	
Start	242	End	1258

Name	OJ990808_34.9B15.C11.o3.ts	Method	TBLASTX:Soybean
Start	638	End	905
GI	none	Score	82
Exons	638..760, 642..734, 643..759, 716..766, 722..883, 756..905, 756..866		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74079	Strand	
Start	1618	End	2912
Name	OJ990808_34.9B15.C11.o1.tc	Method	TBLASTX:Cress
Start	1618	End	2615
GI	none	Score	82
Exons	1618..1713, 1627..1713, 1632..1721, 1634..1753, 1637..1714, 1896..1967, 1919..1966, 1981..2115, 1985..2614, 1985..2605, 1986..2615		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74079	Strand	
Start	1618	End	2912
Name	OJ990808_34.9B15.C11.o5.tm	Method	TBLASTX:Maize
Start	1852	End	2109
GI	none	Score	44
Exons	1852..1878, 1854..1877, 1875..1913, 1876..1995, 1886..1999, 1887..1997, 1909..2001, 1967..2107, 1995..2108, 1996..2109, 1996..2109		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74079	Strand	
Start	1618	End	2912
Name	OJ990808_34.9B15.C11.o1.ts	Method	TBLASTX:Soybean
Start	1887	End	2391
GI	none	Score	41
Exons	1887..1943, 1987..2082, 1988..2389, 1989..2390, 1996..2391, 2170..2391		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74079	Strand	
Start	1618	End	2912
Name	OJ990808_34.9B15.C11.o1.tw	Method	TBLASTX:Wheat
Start	2342	End	2742
GI	none	Score	446
Exons	2342..2665, 2343..2636, 2624..2680, 2624..2686, 2625..2693, 2704..2742		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74079	Strand	
Start	1618	End	2912
Name	OJ990808_34.9B15.C11.o3.tm	Method	TBLASTX:Maize
Start	2370	End	2912
GI	none	Score	639
Exons	2370..2405, 2397..2825, 2401..2604, 2402..2827, 2403..2828, 2677..2829, 2829..2912, 2830..2910, 2831..2911		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74080	Strand	
Start	2993	End	3379
Name	OJ990808_34.9B15.C11.o4.tm	Method	TBLASTX:Maize

Start	2993	End	3379
GI	none	Score	97
Exons	2993..3088, 3002..3088, 3003..3089, 3003..3092, 3004..3093, 3083..3178, 3088..3336, 3091..3375, 3224..3355, 3359..3379		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74081	Strand	
Start	3504	End	4710
Name	OJ990808_34.9B15.C11.o3.tc	Method	TBLASTX:Cress
Start	3504	End	4294
GI	none	Score	201
Exons	3504..3563, 3560..3742, 3560..3742, 3570..3749, 3835..3918, 3840..3932, 3840..3920, 3931..4044, 3941..4045, 3941..4057, 4045..4164, 4052..4168, 4053..4169, 4079..4210, 4174..4227, 4175..4210, 4238..4294, 4262..4282		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74081	Strand	
Start	3504	End	4710
Name	OJ990808_34.9B15.C11.o1.tm	Method	TBLASTX:Maize
Start	3545	End	4701
GI	none	Score	35
Exons	3545..3565, 3565..3729, 3566..3730, 3567..3746, 3568..3771, 3694..4350, 3725..4354, 3728..4318, 3741..4349, 4347..4499, 4348..4413, 4349..4699, 4364..4699, 4453..4701		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74081	Strand	
Start	3504	End	4710
Name	OJ990808_34.9B15.C11.o2.ts	Method	TBLASTX:Soybean
Start	3555	End	4231
GI	none	Score	225
Exons	3555..3716, 3562..3729, 3563..3730, 3808..3831, 3809..3835, 3830..3901, 3843..3887, 3847..3921, 3902..3928, 3962..3997, 3964..3987, 4040..4168, 4050..4169, 4076..4198, 4170..4211, 4171..4230, 4175..4231		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74081	Strand	
Start	3504	End	4710
Name	OJ990808_34.9B15.C11.o2.tc	Method	TBLASTX:Cress
Start	4359	End	4710
GI	none	Score	377
Exons	4359..4709, 4359..4499, 4360..4707, 4453..4710		

Seq. No.	35937	Seq. ID	OJ990808_34.9B15.C11
Gene No.	74081	Strand	
Start	3504	End	4710
Name	OJ990808_34.9B15.C11.o4.ts	Method	TBLASTX:Soybean
Start	4570	End	4688
GI	none	Score	187
Exons	4570..4680, 4570..4686, 4572..4688		

Seq. No.	35938	Seq. ID	OJ990808_34.9B15.C12
Gene No.	74082	Strand	+
Start	632	End	1103
Name	OJ990808_34.9B15.C12.o1.np	Method	AAT/NAP

Start	632	End	1103
GI	131136	Score	825
Exons	632..1103		
GI Descrip.	PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A1 gi\|72671\|pir\|\|A1RZP7 photosystem I P700 apoprotein A1 - rice chloroplast gi\|11982\|emb\|CAA33996\| (X15901) PSI P700 apoprotein A1 [Oryza sativa] gi\|226605\|prf\|\|1603356AB photosystem I P700 apoprotein A1 [Oryza sativa]		

Seq. No.	35938	Seq. ID	OJ990808_34.9B15.C12
Gene No.	74083	Strand	-
Start	251	End	1068
Name	OJ990808_34.9B15.C12.o1.tm	Method	TBLASTX:Maize
Start	2	End	1036
GI	none	Score	65
Exons	2..55, 2..58, 3..59, 99..179, 103..180, 162..233, 175..228, 231..320, 293..337, 312..362, 375..404, 399..515, 405..521, 557..1036, 585..1034	99..179, 100..180, 101..181, 176..232, 217..297, 230..334, 312..359, 344..379, 374..403, 407..535, 497..610, 510..587,	

Seq. No.	35938	Seq. ID	OJ990808_34.9B15.C12
Gene No.	74083	Strand	-
Start	251	End	1068
Name	OJ990808_34.9B15.C12.o1.gp	Method	AAT/GAP
Start	251	End	508
GI	uC-osf1M202088b07a1	Score	505
Exons	251..508		
GI Descrip.	'11957/emb\|X15901\|CHOSXX 2.0e-52 Rice complete chloroplast genome'		

Seq. No.	35938	Seq. ID	OJ990808_34.9B15.C12
Gene No.	74083	Strand	-
Start	251	End	1068
Name	OJ990808_34.9B15.C12.o1.tc	Method	TBLASTX:Cress
Start	486	End	853
GI	none	Score	45
Exons	486..515, 509..592, 587..853, 587..853		

Seq. No.	35938	Seq. ID	OJ990808_34.9B15.C12
Gene No.	74083	Strand	-
Start	251	End	1068
Name	OJ990808_34.9B15.C12.o1.ts	Method	TBLASTX:Soybean
Start	486	End	904
GI	none	Score	45
Exons	486..515, 567..656, 568..897, 568..900, 569..904, 587..904		

Seq. No.	35938	Seq. ID	OJ990808_34.9B15.C12
Gene No.	74083	Strand	-
Start	251	End	1068
Name	OJ990808_34.9B15.C12.o2.tc	Method	TBLASTX:Cress
Start	854	End	1068
GI	none	Score	312
Exons	854..1066, 854..1042, 856..1068, 856..1068		

Seq. No.	35939	Seq. ID	OJ990808_34.9B15.C13
Gene No.	74084	Strand	-

Start	1	End	251
Name	OJ990808_34.9B15.C13.o1.gp	Method	AAT/GAP
Start	1	End	251
GI	LIB3474-003-P1-K1-F1	Score	494
Exons	1..251		
GI Descrip.	'114521/sp\|P12084\|ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]'		

Seq. No.	35940	Seq. ID	OJ990808_34.9B15.C14
Gene No.	74085	Strand	-
Start	1	End	340
Name	OJ990808_34.9B15.C14.o1.np	Method	AAT/NAP
Start	1	End	340
GI	131148	Score	576
Exons	1..340		
GI Descrip.	PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A2 gi\|72674\|pir\|\|A2RZP7 photosystem I P700 apoprotein A2 - rice chloroplast gi\|11981\|emb\|CAA33995\| (X15901) PSI P700 apoprotein A2 [Oryza sativa] gi\|226604\|prf\|\|1603356AA photosystem I P700 apoprotein A2 [Oryza sativa]		

Seq. No.	35940	Seq. ID	OJ990808_34.9B15.C14
Gene No.	74085	Strand	-
Start	1	End	340
Name	OJ990808_34.9B15.C14.o1.tm	Method	TBLASTX:Maize
Start	2	End	340
GI	none	Score	245
Exons	2..160, 2..151, 6..161, 78..161, 158..340, 159..338		

Seq. No.	35940	Seq. ID	OJ990808_34.9B15.C14
Gene No.	74085	Strand	-
Start	1	End	340
Name	OJ990808_34.9B15.C14.o1.ts	Method	TBLASTX:Soybean
Start	20	End	336
GI	none	Score	163
Exons	20..163, 20..151, 159..230, 159..332, 160..231, 275..328, 280..336		

Seq. No.	35940	Seq. ID	OJ990808_34.9B15.C14
Gene No.	74085	Strand	-
Start	1	End	340
Name	OJ990808_34.9B15.C14.o1.gp	Method	AAT/GAP
Start	35	End	340
GI	uC-osf1cyp021g10b1	Score	551
Exons	35..340		
GI Descrip.	'131148/sp\|P12156\|PSAB_ORYSA 6.0e-59 PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A2 >gi_72674_pir__A2RZP7 photosystem I P700 apoprotein A2 - rice chloroplast >gi_11981_emb_CAA33995_ (X15901) PSI P700 apoprotein A2 [Oryza sativa] >gi_226604_prf__1603356AA photosystem I P700 apoprotein A2 [Oryza sativa]'		

Seq. No.	35940	Seq. ID	OJ990808_34.9B15.C14
Gene No.	74085	Strand	-

Start	1	End	340
Name	OJ990808_34.9B15.C14.o1.tc	Method	TBLASTX:Cress
Start	44	End	338
GI	none	Score	131
Exons	44..163, 44..151, 159..230, 159..338, 169..231, 275..331, 280..336		

Seq. No.	35941	Seq. ID	OJ990808_34.9B15.C15
Gene No.	74086	Strand	+
Start	205	End	395
Name	OJ990808_34.9B15.C15.o1.tc	Method	TBLASTX:Cress
Start	2	End	318
GI	none	Score	50
Exons	2..43, 2..46, 3..44, 118..183, 121..183, 183..317, 193..318, 204..314		

Seq. No.	35941	Seq. ID	OJ990808_34.9B15.C15
Gene No.	74086	Strand	+
Start	205	End	395
Name	OJ990808_34.9B15.C15.o1.tm	Method	TBLASTX:Maize
Start	2	End	395
GI	none	Score	59
Exons	2..46, 3..44, 61..93, 62..115, 88..114, 96..125, 111..182, 112..219, 113..181, 177..395, 179..385, 180..386		

Seq. No.	35941	Seq. ID	OJ990808_34.9B15.C15
Gene No.	74086	Strand	+
Start	205	End	395
Name	OJ990808_34.9B15.C15.o1.ts	Method	TBLASTX:Soybean
Start	118	End	333
GI	none	Score	36
Exons	118..183, 119..181, 177..326, 177..332, 178..333		

Seq. No.	35941	Seq. ID	OJ990808_34.9B15.C15
Gene No.	74086	Strand	+
Start	205	End	395
Name	OJ990808_34.9B15.C15.o1.np	Method	AAT/NAP
Start	205	End	315
GI	129871	Score	178
Exons	205..315		
GI Descrip.	CYTOCHROME B6-F COMPLEX SUBUNIT 5 gi\|65644\|pir\|\|WMRZ4 cytochrome b6-f complex 4.2K protein - rice chloroplast gi\|100947\|pir\|\|A32159 plastoquinol--plastocyanin reductase (EC 1.10.99.1) chain V - maize chloroplast gi\|2147243\|pir\|\|S68166 cytochrome b6-f complex chain 5 - beet chloroplast gi\|12006\|emb\|CAA33967\| (X15901) cytochrome b /f complex subunit 5 [Oryza sativa] g		

Seq. No.	35942	Seq. ID	OJ990808_34.9B15.C16
Gene No.	74087	Strand	+
Start	1	End	522
Name	OJ990808_34.9B15.C16.o1.np	Method	AAT/NAP
Start	1	End	522
GI	133446	Score	886
Exons	1..522		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA" CHAIN gi\|66986\|pir\|\|RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-2 chain - rice		

chloroplast gi|11973|emb|CAA33988| (X15901) RNA polymerase beta' subunit-2 [Oryza sativa]

Seq. No.	35942	Seq. ID	OJ990808_34.9B15.C16
Gene No.	74088	Strand	-
Start	150	End	334
Name	OJ990808_34.9B15.C16.o1.gs	Method	GENSCAN
Start	150	End	334
GI	none	Score	.79
Exons	150..334		

Seq. No.	35943	Seq. ID	OJ990808_34.9B15.C17
Gene No.	74089	Strand	-
Start	1	End	196
Name	OJ990808_34.9B15.C17.o1.np	Method	AAT/NAP
Start	1	End	196
GI	140473	Score	320
Exons	1..196		
GI Descrip.	ACETYL-COENZYME A CARBOXYLASE CARBOXYL TRANSFERASE SUBUNIT BETA (ACCASE BETA CHAIN) gi\|82516\|pir\|\|JQ0234 hypothetical 12.5K protein (rbcL-psaI intergenic region) - rice chloroplast gi\|11995\|emb\|CAA33956\| (X15901) ORF106 [Oryza sativa] gi\|226616\|prf\|\|1603356AN ORF 106 [Oryza sativa]		

Seq. No.	35943	Seq. ID	OJ990808_34.9B15.C17
Gene No.	74090	Strand	-
Start	234	End	656
Name	OJ990808_34.9B15.C17.o1.gs	Method	GENSCAN
Start	234	End	648
GI	none	Score	.49
Exons	234..272, 448..648		

Seq. No.	35943	Seq. ID	OJ990808_34.9B15.C17
Gene No.	74090	Strand	-
Start	234	End	656
Name	OJ990808_34.9B15.C17.o2.np	Method	AAT/NAP
Start	394	End	656
GI	82520	Score	467
Exons	394..656		
GI Descrip.	hypothetical 16K protein (rbcL-psaI intergenic region) - rice chloroplast gi\|11994\|emb\|CAA34006\| (X15901) ORF133 [Oryza sativa] gi\|226615\|prf\|\|1603356AM ORF 133 [Oryza sativa]		

Seq. No.	35944	Seq. ID	OJ990808_34.9B15.C18
Gene No.	74091	Strand	+
Start	562	End	1006
Name	OJ990808_34.9B15.C18.o1.gp	Method	AAT/GAP
Start	562	End	1006
GI	LIB3431-028-P1-N1-A10	Score	750
Exons	562..632, 660..1006		
GI Descrip.	'4680203/gb\|AAD27566.1\|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	35944	Seq. ID	OJ990808_34.9B15.C18
Gene No.	74092	Strand	+
Start	2953	End	4050
Name	OJ990808_34.9B15.C18.o2.np	Method	AAT/NAP

Start	2953	End	4050
GI	4680186	Score	383
Exons	2953..3010, 3850..4050		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35944	Seq. ID	OJ990808_34.9B15.C18
Gene No.	74093	Strand	-
Start	1184	End	4147
Name	OJ990808_34.9B15.C18.o1.tw	Method	TBLASTX:Wheat
Start	700	End	2018
GI	none	Score	136
Exons	700..792, 781..864, 874..1014, 875..1015, 962..1057, 994..1053, 1060..1101, 1060..1104, 1065..1106, 1099..1656, 1114..1431, 1388..1657, 1661..2017, 1662..2018		

Seq. No.	35944	Seq. ID	OJ990808_34.9B15.C18
Gene No.	74093	Strand	-
Start	1184	End	4147
Name	OJ990808_34.9B15.C18.o1.np	Method	AAT/NAP
Start	1184	End	4147
GI	6742729	Score	2534
Exons	1184..2923, 4107..4147		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	35944	Seq. ID	OJ990808_34.9B15.C18
Gene No.	74093	Strand	-
Start	1184	End	4147
Name	OJ990808_34.9B15.C18.o1.tc	Method	TBLASTX:Cress
Start	1281	End	1730
GI	none	Score	81
Exons	1281..1532, 1282..1431, 1282..1656, 1388..1657, 1661..1726, 1662..1730		

Seq. No.	35944	Seq. ID	OJ990808_34.9B15.C18
Gene No.	74093	Strand	-
Start	1184	End	4147
Name	OJ990808_34.9B15.C18.o1.tm	Method	TBLASTX:Maize
Start	1658	End	1975
GI	none	Score	121
Exons	1658..1975, 1662..1964		

Seq. No.	35944	Seq. ID	OJ990808_34.9B15.C18
Gene No.	74093	Strand	-
Start	1184	End	4147
Name	OJ990808_34.9B15.C18.o2.tw	Method	TBLASTX:Wheat
Start	2019	End	2429
GI	none	Score	75
Exons	2019..2105, 2021..2110, 2021..2104, 2138..2353, 2178..2354, 2366..2428, 2379..2429		

Seq. No.	35944	Seq. ID	OJ990808_34.9B15.C18
Gene No.	74093	Strand	-
Start	1184	End	4147
Name	OJ990808_34.9B15.C18.o1.ts	Method	TBLASTX:Soybean
Start	2462	End	2704
GI	none	Score	93
Exons	2462..2704, 2520..2699		

Seq. No.	35944	Seq. ID	OJ990808_34.9B15.C18
Gene No.	74093	Strand	-
Start	1184	End	4147
Name	OJ990808_34.9B15.C18.o2.tm	Method	TBLASTX:Maize
Start	2534	End	2898
GI	none	Score	52
Exons	2534..2728, 2738..2863, 2857..2898		

Seq. No.	35944	Seq. ID	OJ990808_34.9B15.C18
Gene No.	74093	Strand	-
Start	1184	End	4147
Name	OJ990808_34.9B15.C18.o3.tw	Method	TBLASTX:Wheat
Start	2568	End	2895
GI	none	Score	156
Exons	2568..2774, 2573..2776, 2573..2776, 2777..2863, 2778..2864, 2878..2895		

Seq. No.	35944	Seq. ID	OJ990808_34.9B15.C18
Gene No.	74093	Strand	-
Start	1184	End	4147
Name	OJ990808_34.9B15.C18.o2.gp	Method	AAT/GAP
Start	3602	End	3983
GI	uC-osf1cyp033a04b1	Score	659
Exons	3602..3983		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35945	Seq. ID	OJ990808_34.9B15.C19
Gene No.	74094	Strand	+
Start	982	End	5505
Name	OJ990808_34.9B15.C19.o2.np	Method	AAT/NAP
Start	982	End	5505
GI	1486263	Score	80
Exons	982..1132, 5162..5505		
GI Descrip.	(D86853) extensin [Catharanthus roseus]		

Seq. No.	35945	Seq. ID	OJ990808_34.9B15.C19
Gene No.	74095	Strand	-
Start	696	End	5477
Name	OJ990808_34.9B15.C19.o3.tm	Method	TBLASTX:Maize
Start	279	End	471
GI	none	Score	89
Exons	279..449, 285..455, 400..471		

Seq. No.	35945	Seq. ID	OJ990808_34.9B15.C19
Gene No.	74095	Strand	-
Start	696	End	5477
Name	OJ990808_34.9B15.C19.o3.tw	Method	TBLASTX:Wheat
Start	283	End	429
GI	none	Score	156
Exons	283..429, 285..428		

Seq. No.	35945	Seq. ID	OJ990808_34.9B15.C19
Gene No.	74095	Strand	-
Start	696	End	5477
Name	OJ990808_34.9B15.C19.o1.np	Method	AAT/NAP

Start	284	End	2627
GI	4680203	Score	1174
Exons	284..1349, 2584..2627		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	35945	Seq. ID	OJ990808_34.9B15.C19
Gene No.	74095	Strand	-
Start	696	End	5477
Name	OJ990808_34.9B15.C19.o1.tc	Method	TBLASTX:Cress
Start	285	End	564
GI	none	Score	63
Exons	285..557, 286..363, 412..564		

Seq. No.	35945	Seq. ID	OJ990808_34.9B15.C19
Gene No.	74095	Strand	-
Start	696	End	5477
Name	OJ990808_34.9B15.C19.o1.ts	Method	TBLASTX:Soybean
Start	289	End	725
GI	none	Score	92
Exons	289..561, 297..593, 588..650, 651..725		

Seq. No.	35945	Seq. ID	OJ990808_34.9B15.C19
Gene No.	74095	Strand	-
Start	696	End	5477
Name	OJ990808_34.9B15.C19.o1.tw	Method	TBLASTX:Wheat
Start	642	End	4772
GI	none	Score	161
Exons	642..899, 647..889, 655..897, 657..908, 658..900, 891..1043, 905..1024, 4722..4772		

Seq. No.	35945	Seq. ID	OJ990808_34.9B15.C19
Gene No.	74095	Strand	-
Start	696	End	5477
Name	OJ990808_34.9B15.C19.o1.gs	Method	GENSCAN
Start	696	End	5477
GI	none	Score	.88
Exons	696..1349, 4678..4798, 5359..5477		

Seq. No.	35945	Seq. ID	OJ990808_34.9B15.C19
Gene No.	74095	Strand	-
Start	696	End	5477
Name	OJ990808_34.9B15.C19.o1.gp	Method	AAT/GAP
Start	1211	End	1837
GI	2310235	Score	292
Exons	1211..1349, 1800..1837		
GI Descrip.	5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	35945	Seq. ID	OJ990808_34.9B15.C19
Gene No.	74095	Strand	-
Start	696	End	5477
Name	OJ990808_34.9B15.C19.o2.tm	Method	TBLASTX:Maize
Start	2750	End	3044
GI	none	Score	70
Exons	2750..3043, 2751..2912, 2855..3043, 2937..3044		

Seq. No.	35945	Seq. ID	OJ990808_34.9B15.C19

Gene No.	74095	Strand	-
Start	696	End	5477
Name	OJ990808_34.9B15.C19.o2.tw	Method	TBLASTX:Wheat
Start	3120	End	3487
GI	none	Score	154
Exons	3120..3374, 3122..3439, 3122..3223, 3296..3487		

Seq. No.	35945	Seq. ID	OJ990808_34.9B15.C19
Gene No.	74095	Strand	-
Start	696	End	5477
Name	OJ990808_34.9B15.C19.o1.tm	Method	TBLASTX:Maize
Start	3216	End	3685
GI	none	Score	62
Exons	3216..3302, 3314..3685		

Seq. No.	35945	Seq. ID	OJ990808_34.9B15.C19
Gene No.	74095	Strand	-
Start	696	End	5477
Name	OJ990808_34.9B15.C19.o2.gp	Method	AAT/GAP
Start	4350	End	4953
GI	2428943	Score	705
Exons	4350..4543, 4678..4953		

Seq. No.	35946	Seq. ID	OJ990808_34.9B15.C20
Gene No.	74096	Strand	+
Start	330	End	1835
Name	OJ990808_34.9B15.C20.o1.np	Method	AAT/NAP
Start	330	End	1835
GI	4008006	Score	44
Exons	330..400, 1574..1835		
GI Descrip.	(AF084034) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	35946	Seq. ID	OJ990808_34.9B15.C20
Gene No.	74097	Strand	-
Start	487	End	1835
Name	OJ990808_34.9B15.C20.o2.np	Method	AAT/NAP
Start	487	End	1835
GI	6721157	Score	49
Exons	487..741, 1690..1835		
GI Descrip.	(AC016829) putative GDSL-motif lipase/acylhydrolase [Arabidopsis thaliana]		

Seq. No.	35946	Seq. ID	OJ990808_34.9B15.C20
Gene No.	74097	Strand	-
Start	487	End	1835
Name	OJ990808_34.9B15.C20.o1.gs	Method	GENSCAN
Start	1426	End	1821
GI	none	Score	.93
Exons	1426..1821		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74098	Strand	+
Start	4985	End	14156
Name	OJ990808_34.9B15.C21.o3.np	Method	AAT/NAP
Start	4985	End	8199
GI	1076685	Score	132
Exons	4985..5105, 5669..5862, 8157..8199		

GI Descrip.	SPF1 protein - sweet potato gi\|484261\|dbj\|BAA06278\| (D30038) SPF1 protein [Ipomoea batatas]		
Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74098	Strand	+
Start	4985	End	14156
Name	OJ990808_34.9B15.C21.o3.gs	Method	GENSCAN
Start	8012	End	14156
GI	none	Score	.76
Exons	8012..9092, 10564..10697, 10779..10928, 11020..11333, 11883..11974, 13335..13414, 13490..13601, 13651..13818, 13933..14156		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74099	Strand	+
Start	17997	End	22899
Name	OJ990808_34.9B15.C21.o1.gp	Method	AAT/GAP
Start	17710	End	19729
GI	36232_1.R1084	Score	1211
Exons	17710..18070, 18570..18657, 19007..19144, 19632..19729		
GI Descrip.	'2737973 2.0e-38 (U83625) protein kinase ZmMEK1 [Zea mays]'		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74099	Strand	+
Start	17997	End	22899
Name	OJ990808_34.9B15.C21.o4.np	Method	AAT/NAP
Start	17997	End	22685
GI	2737973	Score	1507
Exons	17997..18070, 18570..18657, 19007..19144, 19632..19856, 19988..20170, 20289..20509, 22452..22497, 22596..22685		
GI Descrip.	(U83625) protein kinase ZmMEK1 [Zea mays]		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74099	Strand	+
Start	17997	End	22899
Name	OJ990808_34.9B15.C21.o5.gs	Method	GENSCAN
Start	17997	End	22688
GI	none	Score	.7
Exons	17997..18070, 18570..18657, 19007..19144, 19632..19856, 19988..20170, 20289..20509, 21672..21729, 22596..22688		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74099	Strand	+
Start	17997	End	22899
Name	OJ990808_34.9B15.C21.o2.gp	Method	AAT/GAP
Start	20019	End	22899
GI	5446_1.R1084	Score	1264
Exons	20019..20170, 20289..20509, 22452..22497, 22596..22899		
GI Descrip.	'5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74100	Strand	+
Start	24491	End	24845
Name	OJ990808_34.9B15.C21.o3.gp	Method	AAT/GAP
Start	24491	End	24845
GI	2310398	Score	656

Exons	24491..24845		
Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74101	Strand	+
Start	24896	End	29261
Name	OJ990808_34.9B15.C21.o5.np	Method	AAT/NAP
Start	24896	End	29261
GI	3858883	Score	129
Exons	24896..24980, 27888..28568, 29104..29261		
GI Descrip.	(U67056) myosin I heavy chain kinase [Acanthamoeba castellanii] gi\|4206769 (AF104910) myosin I heavy chain kinase [Acanthamoeba castellanii]		
Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74101	Strand	+
Start	24896	End	29261
Name	OJ990808_34.9B15.C21.o7.gs	Method	GENSCAN
Start	26061	End	26262
GI	none	Score	.4
Exons	26061..26066, 26158..26262		
Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74102	Strand	-
Start	437	End	7220
Name	OJ990808_34.9B15.C21.o1.np	Method	AAT/NAP
Start	437	End	4492
GI	6539558	Score	3010
Exons	437..4492		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza sativa]		
Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74102	Strand	-
Start	437	End	7220
Name	OJ990808_34.9B15.C21.o2.np	Method	AAT/NAP
Start	3627	End	5751
GI	6721157	Score	384
Exons	3627..3678, 5047..5105, 5209..5453, 5532..5751		
GI Descrip.	(AC016829) putative GDSL-motif lipase/acylhydrolase [Arabidopsis thaliana]		
Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74102	Strand	-
Start	437	End	7220
Name	OJ990808_34.9B15.C21.o2.gs	Method	GENSCAN
Start	5200	End	7220
GI	none	Score	.49
Exons	5200..5400, 5532..5884, 7145..7220		
Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74103	Strand	-
Start	24688	End	25032
Name	OJ990808_34.9B15.C21.o6.gs	Method	GENSCAN
Start	24688	End	25032
GI	none	Score	.99
Exons	24688..25032		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o5.ts	Method	TBLASTX:Soybean
Start	434	End	1114
GI	none	Score	130
Exons	434..946, 953..1114		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o5.tc	Method	TBLASTX:Cress
Start	470	End	1141
GI	none	Score	98
Exons	470..721, 510..680, 736..861, 839..925, 950..1141, 986..1135		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o6.tm	Method	TBLASTX:Maize
Start	473	End	857
GI	none	Score	156
Exons	473..856, 474..857		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o5.tw	Method	TBLASTX:Wheat
Start	500	End	919
GI	none	Score	105
Exons	500..718, 716..919		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o3.tm	Method	TBLASTX:Maize
Start	1001	End	1390
GI	none	Score	267
Exons	1001..1387, 1005..1388, 1265..1390		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o3.tw	Method	TBLASTX:Wheat
Start	1157	End	1823
GI	none	Score	81
Exons	1157..1279, 1271..1486, 1478..1822, 1524..1667, 1526..1693, 1692..1823		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o4.ts	Method	TBLASTX:Soybean
Start	1490	End	2017
GI	5509260	Score	166
Exons	1490..2017, 1521..1865		
GI Descrip.	-		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o3.tc	Method	TBLASTX:Cress
Start	1604	End	1868
GI	none	Score	79
Exons	1604..1852, 1604..1867, 1692..1868		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o5.tm	Method	TBLASTX:Maize
Start	1643	End	1960
GI	none	Score	297
Exons	1643..1960, 1644..1952		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o3.ts	Method	TBLASTX:Soybean
Start	2345	End	2824
GI	none	Score	48
Exons	2345..2824, 2346..2486, 2529..2819		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o4.tc	Method	TBLASTX:Cress
Start	2363	End	2809
GI	none	Score	251
Exons	2363..2809		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o4.tm	Method	TBLASTX:Maize
Start	2426	End	2851
GI	none	Score	46
Exons	2426..2494, 2442..2486, 2501..2851, 2502..2837		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o2.tw	Method	TBLASTX:Wheat
Start	2498	End	3040
GI	none	Score	40
Exons	2498..2587, 2508..2561, 2594..3040, 2610..2846, 2717..2995		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o4.tw	Method	TBLASTX:Wheat
Start	3131	End	3581
GI	none	Score	45
Exons	3131..3211, 3132..3209, 3216..3299, 3218..3301, 3302..3580, 3372..3581		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o7.tm	Method	TBLASTX:Maize
Start	3197	End	3602
GI	none	Score	112
Exons	3197..3295, 3302..3601, 3386..3592, 3426..3602		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o8.tm	Method	TBLASTX:Maize
Start	4055	End	4348
GI	none	Score	77
Exons	4055..4348, 4074..4172		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o2.tc	Method	TBLASTX:Cress
Start	5209	End	5693
GI	none	Score	105
Exons	5209..5403, 5213..5401, 5404..5454, 5521..5691, 5526..5693, 5529..5693		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o2.ts	Method	TBLASTX:Soybean
Start	5209	End	5694
GI	none	Score	125
Exons	5209..5403, 5213..5398, 5386..5454, 5397..5453, 5521..5694, 5526..5693		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o2.tm	Method	TBLASTX:Maize
Start	5212	End	5693
GI	none	Score	149
Exons	5212..5403, 5213..5395, 5386..5454, 5397..5453, 5526..5693, 5530..5691		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o1.tm	Method	TBLASTX:Maize
Start	17993	End	22724
GI	none	Score	117
Exons	17993..18070, 17994..18071, 18565..18666, 19007..19156, 19009..19149, 19014..19154, 19619..19858, 19620..19877, 19629..19859, 19973..20170, 19985..20170, 19987..20184, 20288..20509, 20289..20507, 22446..22496, 22450..22497, 22453..22497, 22577..22699, 22590..22721, 22595..22720, 22596..22724		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o1.tc	Method	TBLASTX:Cress
Start	18565	End	20507
GI	none	Score	83
Exons	18565..18639, 19019..19156, 19027..19149, 19620..19877, 19643..19858, 19985..20170, 19987..20166, 20283..20462, 20288..20461, 20388..20507, 20420..20503		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o1.ts	Method	TBLASTX:Soybean
Start	18565	End	20507
GI	none	Score	82
Exons	18565..18657, 19019..19156, 19620..19877, 19638..19838, 19640..19858, 19985..20170, 19985..20185, 20301..20396, 20307..20390, 20321..20395, 20388..20507, 20399..20503		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o1.tw	Method	TBLASTX:Wheat
Start	19985	End	20447
GI	none	Score	259
Exons	19985..20170, 19987..20169, 20274..20396, 20288..20395, 20405..20446, 20412..20447		

Seq. No.	35947	Seq. ID	OJ990808_34.9B15.C21
Gene No.	74104	Strand	-
Start	28057	End	29649
Name	OJ990808_34.9B15.C21.o8.gs	Method	GENSCAN
Start	28057	End	29649
GI	none	Score	.74
Exons	28057..28343, 28839..28976, 29156..29241, 29600..29649		

Seq. No.	35948	Seq. ID	OJ990808_34.9B15.C23
Gene No.	74105	Strand	+
Start	128	End	238
Name	OJ990808_34.9B15.C23.o1.np	Method	AAT/NAP
Start	128	End	238
GI	132927	Score	194
Exons	128..238		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L36 gi\|71364\|pir\|\|R5RZ36 ribosomal protein L36 - rice chloroplast gi\|1363596\|pir\|\|S58585 ribosomal protein L36 - maize chloroplast gi\|12020\|emb\|CAA33981\| (X15901) ribosomal protein L36 [Oryza sativa] gi\|342626 (M35956) 50S ribosomal protein (secX) [Zea mays] gi\|902255\|emb\|CAA60319\| (X86563) ribosomal protein L36 [Zea mays] gi\|226641		

Seq. No.	35948	Seq. ID	OJ990808_34.9B15.C23
Gene No.	74106	Strand	+
Start	416	End	631
Name	OJ990808_34.9B15.C23.o2.tm	Method	TBLASTX:Maize
Start	1	End	270
GI	none	Score	40

Exons	1..27, 24..242, 30..242, 31..249, 52..270, 71..268		
Seq. No.	35948	Seq. ID	OJ990808_34.9B15.C23
Gene No.	74106	Strand	+
Start	416	End	631
Name	OJ990808_34.9B15.C23.o1.tm	Method	TBLASTX:Maize
Start	287	End	631
GI	none	Score	40
Exons	287..304, 288..359, 289..366, 307..594, 315..383, 368..595, 371..592, 593..631, 594..629, 595..630		
Seq. No.	35948	Seq. ID	OJ990808_34.9B15.C23
Gene No.	74106	Strand	+
Start	416	End	631
Name	OJ990808_34.9B15.C23.o1.ts	Method	TBLASTX:Soybean
Start	383	End	631
GI	none	Score	84
Exons	383..484, 390..479, 391..483, 464..631, 464..625		
Seq. No.	35948	Seq. ID	OJ990808_34.9B15.C23
Gene No.	74106	Strand	+
Start	416	End	631
Name	OJ990808_34.9B15.C23.o2.np	Method	AAT/NAP
Start	416	End	631
GI	133726	Score	363
Exons	416..631		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S11 gi\|70943\|pir\|\|R3RZ11 ribosomal protein S11 - rice chloroplast gi\|12019\|emb\|CAA33980\| (X15901) ribosomal protein S11 [Oryza sativa] gi\|226640\|prf\|\|1603356BP ribosomal protein S11 [Oryza sativa]		
Seq. No.	35949	Seq. ID	OJ990808_34.9B15.C24
Gene No.	74107	Strand	+
Start	1	End	244
Name	OJ990808_34.9B15.C24.o1.np	Method	AAT/NAP
Start	1	End	244
GI	4680185	Score	234
Exons	1..244		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	35949	Seq. ID	OJ990808_34.9B15.C24
Gene No.	74108	Strand	-
Start	7	End	93
Name	OJ990808_34.9B15.C24.o1.gs	Method	GENSCAN
Start	7	End	93
GI	none	Score	.58
Exons	7..93		
Seq. No.	35950	Seq. ID	OJ990808_34.9B15.C25
Gene No.	74109	Strand	-
Start	1	End	689
Name	OJ990808_34.9B15.C25.o1.np	Method	AAT/NAP
Start	1	End	689
GI	6815115	Score	1159
Exons	1..689		
GI Descrip.	(AB037543) ATP synthase beta subunit [Oryza sativa]		

Seq. No.	35950	Seq. ID	OJ990808_34.9B15.C25
Gene No.	74109	Strand	-
Start	1	End	689
Name	OJ990808_34.9B15.C25.o1.ts	Method	TBLASTX:Soybean
Start	1	End	574
GI	none	Score	711
Exons	1..510, 1..558, 3..572, 3..572, 248..574		

Seq. No.	35950	Seq. ID	OJ990808_34.9B15.C25
Gene No.	74109	Strand	-
Start	1	End	689
Name	OJ990808_34.9B15.C25.o1.tc	Method	TBLASTX:Cress
Start	3	End	689
GI	none	Score	97
Exons	3..95, 3..689, 4..510, 5..688		

Seq. No.	35950	Seq. ID	OJ990808_34.9B15.C25
Gene No.	74109	Strand	-
Start	1	End	689
Name	OJ990808_34.9B15.C25.o1.tm	Method	TBLASTX:Maize
Start	3	End	689
GI	none	Score	426
Exons	3..485, 7..474, 129..485, 486..644, 504..689, 521..646, 595..678		

Seq. No.	35950	Seq. ID	OJ990808_34.9B15.C25
Gene No.	74109	Strand	-
Start	1	End	689
Name	OJ990808_34.9B15.C25.o1.gs	Method	GENSCAN
Start	33	End	623
GI	none	Score	.69
Exons	33..623		

Seq. No.	35950	Seq. ID	OJ990808_34.9B15.C25
Gene No.	74109	Strand	-
Start	1	End	689
Name	OJ990808_34.9B15.C25.o1.tw	Method	TBLASTX:Wheat
Start	204	End	689
GI	none	Score	237
Exons	204..485, 205..474, 210..479, 504..566, 573..611, 622..678, 636..689		

Seq. No.	35950	Seq. ID	OJ990808_34.9B15.C25
Gene No.	74109	Strand	-
Start	1	End	689
Name	OJ990808_34.9B15.C25.o2.ts	Method	TBLASTX:Soybean
Start	576	End	689
GI	none	Score	168
Exons	576..689, 577..687		

Seq. No.	35951	Seq. ID	OJ990808_34.9B15.C26
Gene No.	74110	Strand	+
Start	118	End	190
Name	OJ990808_34.9B15.C26.o1.gp	Method	AAT/GAP
Start	118	End	190
GI	LIB3477-003-P1-K1-E9	Score	111
Exons	118..190		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY		

S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	35951	Seq. ID	OJ990808_34.9B15.C26
Gene No.	74111	Strand	-
Start	591	End	685
Name	OJ990808_34.9B15.C26.o1.gs	Method	GENSCAN
Start	591	End	685
GI	none	Score	.42
Exons	591..685		

Seq. No.	35951	Seq. ID	OJ990808_34.9B15.C26
Gene No.	74112	Strand	-
Start	614	End	758
Name	OJ990808_34.9B15.C26.o1.np	Method	AAT/NAP
Start	614	End	758
GI	1076685	Score	132
Exons	614..758		
GI Descrip.	SPF1 protein - sweet potato gi\|484261\|dbj\|BAA06278\| (D30038) SPF1 protein [Ipomoea batatas]		

Seq. No.	35952	Seq. ID	OJ990808_34.9B15.C27
Gene No.	74113	Strand	+
Start	648	End	699
Name	OJ990808_34.9B15.C27.o1.gp	Method	AAT/GAP
Start	648	End	699
GI	2653_1.R1084	Score	104
Exons	648..699		
GI Descrip.	'11998/emb\|CAA33959\| 5.0e-35 (X15901) ORF85 [Oryza sativa] >gi_226619_prf__1603356AR ORF 85A [Oryza sativa]'		

Seq. No.	35952	Seq. ID	OJ990808_34.9B15.C27
Gene No.	74114	Strand	-
Start	1	End	660
Name	OJ990808_34.9B15.C27.o1.np	Method	AAT/NAP
Start	1	End	643
GI	122779	Score	1144
Exons	1..643		
GI Descrip.	POTENTIAL HEME-BINDING PROTEIN (ORF 230) gi\|82542\|pir\|\|S05118 hypothetical protein 230 - rice chloroplast gi\|11999\|emb\|CAA33960\| (X15901) ORF230 [Oryza sativa] gi\|226620\|prf\|\|1603356AT ORF 230 [Oryza sativa]		

Seq. No.	35952	Seq. ID	OJ990808_34.9B15.C27
Gene No.	74114	Strand	-
Start	1	End	660
Name	OJ990808_34.9B15.C27.o1.ts	Method	TBLASTX:Soybean
Start	2	End	656
GI	none	Score	454
Exons	2..652, 3..626, 205..651, 243..656		

Seq. No.	35952	Seq. ID	OJ990808_34.9B15.C27
Gene No.	74114	Strand	-
Start	1	End	660
Name	OJ990808_34.9B15.C27.o2.tc	Method	TBLASTX:Cress
Start	2	End	262
GI	none	Score	186

Exons	2..262, 3..260		
Seq. No.	35952	Seq. ID	OJ990808_34.9B15.C27
Gene No.	74114	Strand	-
Start	1	End	660
Name	OJ990808_34.9B15.C27.o1.tc	Method	TBLASTX:Cress
Start	282	End	660
GI	none	Score	228
Exons	282..659, 284..655, 301..660, 454..660		
Seq. No.	35953	Seq. ID	OJ990808_34.9B15.C28
Gene No.	74115	Strand	-
Start	548	End	661
Name	OJ990808_34.9B15.C28.o1.tw	Method	TBLASTX:Wheat
Start	3	End	452
GI	none	Score	57
Exons	3..41, 3..104, 12..92, 196..291, 201..278, 269..310, 403..444, 405..452		
Seq. No.	35953	Seq. ID	OJ990808_34.9B15.C28
Gene No.	74115	Strand	-
Start	548	End	661
Name	OJ990808_34.9B15.C28.o1.ts	Method	TBLASTX:Soybean
Start	524	End	661
GI	none	Score	128
Exons	524..652, 539..661		
Seq. No.	35953	Seq. ID	OJ990808_34.9B15.C28
Gene No.	74115	Strand	-
Start	548	End	661
Name	OJ990808_34.9B15.C28.o1.np	Method	AAT/NAP
Start	548	End	634
GI	140301	Score	144
Exons	548..634		
GI Descrip.	HYPOTHETICAL 3.2 KD PROTEIN (ORF 29) gi\|6686168\|sp\|P56789\|YCF6_ARATH HYPOTHETICAL 3.2 KD PROTEIN YCF6 gi\|82526\|pir\|\|JQ0212 hypothetical 3K protein (trnI-trnC intergenic region) - rice chloroplast gi\|11970\|emb\|CAA33985\| (X15901) ORF29 [Oryza sativa] gi\|2924260\|emb\|CAA77412\| (Z00044) Ycf6 protein [Nicotiana tabacum] gi\|4958866\|dbj\|BAA78039.1\| (AB027572) ORF29 [Triticu		
Seq. No.	35954	Seq. ID	OJ990808_34.9B15.C29
Gene No.	74116	Strand	+
Start	1	End	301
Name	OJ990808_34.9B15.C29.o1.gp	Method	AAT/GAP
Start	1	End	301
GI	uC-osflm202104g03b1	Score	598
Exons	1..301		
GI Descrip.	'131211/sp\|P19443\|PSAJ_MAIZE 6.0e-10 PHOTOSYSTEM I REACTION CENTRE SUBUNIT IX (PSI-J) >gi_1363533_pir__S58571 photosystem I protein psaJ - maize chloroplast >gi_552734 (J04502) ORF42 [Zea mays] >gi_902241_emb_CAA60305_ (X86563) psaJ [Zea mays]'		
Seq. No.	35955	Seq. ID	OJ990808_34.9B15.C30
Gene No.	74117	Strand	+
Start	1	End	555

Name	OJ990808_34.9B15.C30.o1.np	Method	AAT/NAP
Start	1	End	555
GI	131154	Score	1004
Exons	1..555		
GI Descrip.	PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A2 gi\|72673\|pir\|\|A2NTP7 photosystem I P700 apoprotein A2 - common tobacco chloroplast gi\|11829\|emb\|CAA77351\| (Z00044) PSI P700 apoprotein A2 [Nicotiana tabacum] gi\|225197\|prf\|\|1211235AB photosystem I P700 apoprotein A2 [Nicotiana tabacum]		

Seq. No.	35955	Seq. ID	OJ990808_34.9B15.C30
Gene No.	74118	Strand	+
Start	706	End	1014
Name	OJ990808_34.9B15.C30.o2.np	Method	AAT/NAP
Start	706	End	1014
GI	133783	Score	530
Exons	706..1014		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S14 gi\|70989\|pir\|\|R3RZ14 ribosomal protein S14 - rice chloroplast gi\|11934\|emb\|CAA31596\| (X13208) ribosomal protein S14 (AA 1 - 103) [Oryza sativa] gi\|11980\|emb\|CAA33994\| (X15901) ribosomal protein S14 [Oryza sativa] gi\|226697\|prf\|\|1603356Y ribosomal protein S14 [Oryza sativa]		

Seq. No.	35955	Seq. ID	OJ990808_34.9B15.C30
Gene No.	74119	Strand	-
Start	1603	End	1848
Name	OJ990808_34.9B15.C30.o1.tc	Method	TBLASTX:Cress
Start	15	End	408
GI	none	Score	444
Exons	15..239, 16..240, 17..244, 241..408, 243..407		

Seq. No.	35955	Seq. ID	OJ990808_34.9B15.C30
Gene No.	74119	Strand	-
Start	1603	End	1848
Name	OJ990808_34.9B15.C30.o1.tm	Method	TBLASTX:Maize
Start	15	End	785
GI	none	Score	977
Exons	15..575, 16..534, 17..571, 569..610, 569..625, 573..626, 580..627, 659..685, 669..686, 687..785, 688..771		

Seq. No.	35955	Seq. ID	OJ990808_34.9B15.C30
Gene No.	74119	Strand	-
Start	1603	End	1848
Name	OJ990808_34.9B15.C30.o1.ts	Method	TBLASTX:Soybean
Start	16	End	803
GI	none	Score	977
Exons	16..534, 16..534, 18..584, 657..803, 706..771		

Seq. No.	35955	Seq. ID	OJ990808_34.9B15.C30
Gene No.	74119	Strand	-
Start	1603	End	1848
Name	OJ990808_34.9B15.C30.o2.tc	Method	TBLASTX:Cress
Start	450	End	1119
GI	none	Score	130
Exons	450..560, 451..534, 675..806, 702..725, 703..771, 820..1020, 825..1022, 825..1040, 1048..1119, 1050..1118		

Seq. No.	35955	Seq. ID	OJ990808_34.9B15.C30
Gene No.	74119	Strand	-
Start	1603	End	1848
Name	OJ990808_34.9B15.C30.o3.tc	Method	TBLASTX:Cress
Start	1399	End	1846
GI	none	Score	92
Exons	1399..1470, 1400..1471, 1403..1471, 1410..1475, 1603..1836, 1603..1845, 1646..1846		

Seq. No.	35955	Seq. ID	OJ990808_34.9B15.C30
Gene No.	74119	Strand	-
Start	1603	End	1848
Name	OJ990808_34.9B15.C30.o1.gp	Method	AAT/GAP
Start	1575	End	1848
GI	LIB3431-040-P1-K2-C1	Score	471
Exons	1575..1848		
GI Descrip.	'114521/sp\|P12084\|ATPA_ORYSA 6.0e-53 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]'		

Seq. No.	35955	Seq. ID	OJ990808_34.9B15.C30
Gene No.	74119	Strand	-
Start	1603	End	1848
Name	OJ990808_34.9B15.C30.o2.gs	Method	GENSCAN
Start	1603	End	1778
GI	none	Score	.61
Exons	1603..1778		

Seq. No.	35955	Seq. ID	OJ990808_34.9B15.C30
Gene No.	74119	Strand	-
Start	1603	End	1848
Name	OJ990808_34.9B15.C30.o3.np	Method	AAT/NAP
Start	1606	End	1848
GI	114521	Score	395
Exons	1606..1848		
GI Descrip.	ATP SYNTHASE ALPHA CHAIN gi\|67827\|pir\|\|PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast gi\|11979\|emb\|CAA33993\| (X15901) ATPase alpha subunit [Oryza sativa] gi\|226696\|prf\|\|1603356X ATPase alpha [Oryza sativa]		

Seq. No.	35955	Seq. ID	OJ990808_34.9B15.C30
Gene No.	74119	Strand	-
Start	1603	End	1848
Name	OJ990808_34.9B15.C30.o2.ts	Method	TBLASTX:Soybean
Start	1609	End	1846
GI	none	Score	228
Exons	1609..1845, 1609..1845, 1610..1846, 1646..1846		

Seq. No.	35956	Seq. ID	OJ990808_34.9B15.C31
Gene No.	74120	Strand	+
Start	535	End	1172
Name	OJ990808_34.9B15.C31.o2.np	Method	AAT/NAP
Start	535	End	784
GI	897640	Score	144

Exons	535..784		
GI Descrip.	(M10124) unknown protein [Nicotiana tabacum] gi\|224352\|prf\|\|1102209F ORF 6 [Nicotiana sp.]		
Seq. No.	35956	Seq. ID	OJ990808_34.9B15.C31
Gene No.	74120	Strand	+
Start	535	End	1172
Name	OJ990808_34.9B15.C31.o1.gp	Method	AAT/GAP
Start	627	End	1172
GI	2135_1.R1084	Score	1072
Exons	627..1172		
GI Descrip.	'11957/emb\|X15901\|CHOSXX 1.0e-159 Rice complete chloroplast genome'		
Seq. No.	35956	Seq. ID	OJ990808_34.9B15.C31
Gene No.	74121	Strand	-
Start	128	End	1232
Name	OJ990808_34.9B15.C31.o1.tm	Method	TBLASTX:Maize
Start	60	End	1228
GI	none	Score	62
Exons	60..122, 68..127, 74..127, 122..403, 122..643, 132..662, 630..716, 665..880, 673..819, 719..844, 802..903, 818..931, 824..934, 887..964, 891..971, 894..965, 895..972, 960..1055, 965..1069, 965..1111, 1051..1182, 1061..1189, 1073..1189, 1098..1190, 1179..1223, 1190..1228, 1190..1228		
Seq. No.	35956	Seq. ID	OJ990808_34.9B15.C31
Gene No.	74121	Strand	-
Start	128	End	1232
Name	OJ990808_34.9B15.C31.o1.ts	Method	TBLASTX:Soybean
Start	77	End	1224
GI	none	Score	572
Exons	77..112, 132..632, 134..628, 668..709, 673..702, 791..808, 893..964, 897..965, 898..957, 899..967, 989..1036, 995..1036, 1055..1126, 1058..1102, 1063..1146, 1095..1148, 1133..1186, 1136..1183, 1179..1223, 1194..1223, 1195..1224		
Seq. No.	35956	Seq. ID	OJ990808_34.9B15.C31
Gene No.	74121	Strand	-
Start	128	End	1232
Name	OJ990808_34.9B15.C31.o1.tc	Method	TBLASTX:Cress
Start	125	End	536
GI	none	Score	441
Exons	125..535, 132..536, 162..536		
Seq. No.	35956	Seq. ID	OJ990808_34.9B15.C31
Gene No.	74121	Strand	-
Start	128	End	1232
Name	OJ990808_34.9B15.C31.o1.gs	Method	GENSCAN
Start	128	End	528
GI	none	Score	.97
Exons	128..528		
Seq. No.	35956	Seq. ID	OJ990808_34.9B15.C31
Gene No.	74121	Strand	-
Start	128	End	1232
Name	OJ990808_34.9B15.C31.o1.np	Method	AAT/NAP

Start	131	End	906
GI	114633	Score	617
Exons	131..535, 761..906		
GI Descrip.	ATP SYNTHASE B CHAIN (SUBUNIT I) gi\|67930\|pir\|\|PWWT1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - wheat chloroplast gi\|311717\|emb\|CAA26438\| (X02595) CF-O subunit I [Triticum aestivum]		

Seq. No.	35956	Seq. ID	OJ990808_34.9B15.C31
Gene No.	74121	Strand	-
Start	128	End	1232
Name	OJ990808_34.9B15.C31.o1.tw	Method	TBLASTX:Wheat
Start	199	End	644
GI	none	Score	505
Exons	199..549, 204..554, 214..552, 550..630, 558..644, 558..626, 560..643		

Seq. No.	35956	Seq. ID	OJ990808_34.9B15.C31
Gene No.	74121	Strand	-
Start	128	End	1232
Name	OJ990808_34.9B15.C31.o2.tw	Method	TBLASTX:Wheat
Start	866	End	1232
GI	none	Score	43
Exons	866..970, 868..903, 893..979, 897..983, 900..980, 980..1063, 981..1064, 982..1092, 983..1063, 1066..1188, 1067..1189, 1179..1232, 1188..1232		

Seq. No.	35957	Seq. ID	OJ990808_34.9B15.C33
Gene No.	74122	Strand	-
Start	268	End	574
Name	OJ990808_34.9B15.C33.o1.np	Method	AAT/NAP
Start	268	End	477
GI	82536	Score	382
Exons	268..477		
GI Descrip.	hypothetical 8.3K protein (trnI-trnC intergenic region) - rice chloroplast gi\|11968\|emb\|CAA33983\| (X15901) ORF70 [Oryza sativa] gi\|226686\|prf\|\|1603356L ORF 70 [Oryza sativa]		

Seq. No.	35957	Seq. ID	OJ990808_34.9B15.C33
Gene No.	74122	Strand	-
Start	268	End	574
Name	OJ990808_34.9B15.C33.o1.tm	Method	TBLASTX:Maize
Start	371	End	574
GI	none	Score	106
Exons	371..445, 373..444, 431..574, 439..564		

Seq. No.	35958	Seq. ID	OJ990808_34.9B15.C34
Gene No.	74123	Strand	-
Start	78	End	233
Name	OJ990808_34.9B15.C34.o1.gs	Method	GENSCAN
Start	78	End	214
GI	none	Score	.74
Exons	78..214		

Seq. No.	35958	Seq. ID	OJ990808_34.9B15.C34
Gene No.	74123	Strand	-
Start	78	End	233

Name	OJ990808_34.9B15.C34.o1.np	Method	AAT/NAP
Start	96	End	233
GI	131273	Score	235
Exons	96..233		
GI Descrip.	PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) gi\|82553\|pir\|\|S01385 photosystem II chlorophyll a-binding protein psbB - rye chloroplast gi\|12222\|emb\|CAA30519\| (X07672) psbB protein (AA 1-508) [Secale cereale]		

Seq. No.	35959	Seq. ID	OJ990808_34.9B15.C35
Gene No.	74124	Strand	+
Start	1	End	100
Name	OJ990808_34.9B15.C35.o1.np	Method	AAT/NAP
Start	1	End	100
GI	226689	Score	149
Exons	1..100		
GI Descrip.	RNA polymerase beta [Oryza sativa]		

Seq. No.	35960	Seq. ID	OJ990808_34.9B15.C36
Gene No.	74125	Strand	-
Start	1	End	2042
Name	OJ990808_34.9B15.C36.o1.np	Method	AAT/NAP
Start	1	End	1004
GI	4680204	Score	396
Exons	1..1004		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	35960	Seq. ID	OJ990808_34.9B15.C36
Gene No.	74125	Strand	-
Start	1	End	2042
Name	OJ990808_34.9B15.C36.o1.gs	Method	GENSCAN
Start	353	End	2042
GI	none	Score	.77
Exons	353..766, 834..989, 2034..2042		

Seq. No.	35961	Seq. ID	OJ990808_34.9B15.C39
Gene No.	74126	Strand	-
Start	1	End	2704
Name	OJ990808_34.9B15.C39.o1.np	Method	AAT/NAP
Start	1	End	965
GI	4467124	Score	496
Exons	1..965		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35961	Seq. ID	OJ990808_34.9B15.C39
Gene No.	74126	Strand	-
Start	1	End	2704
Name	OJ990808_34.9B15.C39.o1.gs	Method	GENSCAN
Start	53	End	2704
GI	none	Score	.51
Exons	53..697, 705..997, 1525..1553, 1785..1857, 1973..2078, 2534..2704		

Seq. No.	35961	Seq. ID	OJ990808_34.9B15.C39
Gene No.	74127	Strand	-
Start	2818	End	2915
Name	OJ990808_34.9B15.C39.o1.ts	Method	TBLASTX:Soybean

Start	86	End	317
GI	none	Score	116
Exons	86..316, 102..317		

Seq. No.	35961	Seq. ID	OJ990808_34.9B15.C39
Gene No.	74127	Strand	-
Start	2818	End	2915
Name	OJ990808_34.9B15.C39.o2.np	Method	AAT/NAP
Start	2818	End	2915
GI	6721562	Score	118
Exons	2818..2915		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi\|6815087\|dbj\|BAA90373.1\| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	35962	Seq. ID	OJ990808_34.9B15.C40
Gene No.	74128	Strand	+
Start	1591	End	2083
Name	OJ990808_34.9B15.C40.o1.np	Method	AAT/NAP
Start	1591	End	2083
GI	6539588	Score	191
Exons	1591..1908, 2054..2083		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	35963	Seq. ID	OJ990808_34.9B15.C41
Gene No.	74129	Strand	+
Start	236	End	1957
Name	OJ990808_34.9B15.C41.o1.np	Method	AAT/NAP
Start	236	End	1957
GI	6063554	Score	230
Exons	236..498, 597..857, 1782..1957		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35963	Seq. ID	OJ990808_34.9B15.C41
Gene No.	74130	Strand	-
Start	452	End	913
Name	OJ990808_34.9B15.C41.o1.gs	Method	GENSCAN
Start	452	End	913
GI	none	Score	.63
Exons	452..913		

Seq. No.	35964	Seq. ID	OJ990808_34.9B15.C42
Gene No.	74131	Strand	+
Start	617	End	710
Name	OJ990808_34.9B15.C42.o1.tm	Method	TBLASTX:Maize
Start	15	End	297
GI	none	Score	380
Exons	15..296, 16..297, 16..297		

Seq. No.	35964	Seq. ID	OJ990808_34.9B15.C42
Gene No.	74131	Strand	+
Start	617	End	710
Name	OJ990808_34.9B15.C42.o1.tc	Method	TBLASTX:Cress

Start	27	End	454
GI	none	Score	53
Exons	27..206, 43..108, 93..200, 100..201, 183..254, 193..297, 214..252, 314..391, 319..390, 329..391, 384..416, 385..435, 386..454, 387..452		

Seq. No.	35964	Seq. ID	OJ990808_34.9B15.C42
Gene No.	74131	Strand	+
Start	617	End	710
Name	OJ990808_34.9B15.C42.o1.ts	Method	TBLASTX:Soybean
Start	70	End	475
GI	none	Score	48
Exons	70..105, 107..175, 115..147, 153..266, 193..267, 202..267, 289..318, 309..389, 325..411, 329..403, 355..474, 370..435, 371..475, 387..473		

Seq. No.	35964	Seq. ID	OJ990808_34.9B15.C42
Gene No.	74131	Strand	+
Start	617	End	710
Name	OJ990808_34.9B15.C42.o2.tm	Method	TBLASTX:Maize
Start	383	End	709
GI	none	Score	175
Exons	383..496, 384..494, 475..501, 496..558, 498..557, 499..558, 543..665, 557..658, 592..660, 632..679, 633..680, 637..681, 637..684, 686..709		

Seq. No.	35964	Seq. ID	OJ990808_34.9B15.C42
Gene No.	74131	Strand	+
Start	617	End	710
Name	OJ990808_34.9B15.C42.o1.gp	Method	AAT/GAP
Start	617	End	710
GI	2409_1.R1084	Score	167
Exons	617..710		
GI Descrip.	'128690/sp\|P12126\|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	35965	Seq. ID	OJ990808_34.9B15.C43
Gene No.	74132	Strand	-
Start	1	End	203
Name	OJ990808_34.9B15.C43.o1.np	Method	AAT/NAP
Start	1	End	193
GI	131267	Score	333
Exons	1..193		
GI Descrip.	PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) gi\|82440\|pir\|\|S04100 photosystem II chlorophyll a-binding protein psbB - barley chloroplast gi\|11594\|emb\|CAA32264\| (X14107) chlorophyll a-binding protein [Hordeum vulgare]		

Seq. No.	35965	Seq. ID	OJ990808_34.9B15.C43
Gene No.	74132	Strand	-
Start	1	End	203
Name	OJ990808_34.9B15.C43.o1.gs	Method	GENSCAN
Start	19	End	203

GI	none	Score	.56
Exons	19..203		

Seq. No.	35965	Seq. ID	OJ990808_34.9B15.C43
Gene No.	74133	Strand	-
Start	246	End	387
Name	OJ990808_34.9B15.C43.o1.tm	Method	TBLASTX:Maize
Start	97	End	387
GI	none	Score	311
Exons	97..267, 98..280, 101..268, 260..385, 271..387, 271..384		

Seq. No.	35965	Seq. ID	OJ990808_34.9B15.C43
Gene No.	74133	Strand	-
Start	246	End	387
Name	OJ990808_34.9B15.C43.o1.gp	Method	AAT/GAP
Start	246	End	374
GI	LIB3432-057-P1-K1-A8	Score	170
Exons	246..374		
GI Descrip.	'11957/emb\|X15901\|CHOSXX 7.0e-52 Rice complete chloroplast genome'		

Seq. No.	35966	Seq. ID	OJ990808_34.9B15.C44
Gene No.	74134	Strand	-
Start	187	End	933
Name	OJ990808_34.9B15.C44.o1.np	Method	AAT/NAP
Start	187	End	933
GI	82523	Score	1273
Exons	187..933		
GI Descrip.	hypothetical 29K protein (trnH-trnV intergenic region) - rice chloroplast gi\|12034\|emb\|CAA33940\| (X15901) ORF249 [Oryza sativa] gi\|12068\|emb\|CAA33921\| (X15901) ORF249 [Oryza sativa] gi\|226655\|prf\|\|1603356CF ORF 249 [Oryza sativa]		

Seq. No.	35966	Seq. ID	OJ990808_34.9B15.C44
Gene No.	74135	Strand	-
Start	1001	End	1121
Name	OJ990808_34.9B15.C44.o2.np	Method	AAT/NAP
Start	1001	End	1121
GI	2130154	Score	155
Exons	1001..1121		
GI Descrip.	hypothetical protein 241 - maize chloroplast gi\|902268\|emb\|CAA60333\| (X86563) ORF241 [Zea mays] gi\|902303\|emb\|CAA60367\| (X86563) ORF241 [Zea mays]		

Seq. No.	35967	Seq. ID	OJ990808_34.9B15.C45
Gene No.	74136	Strand	+
Start	287	End	565
Name	OJ990808_34.9B15.C45.o1.np	Method	AAT/NAP
Start	287	End	565
GI	132804	Score	491
Exons	287..565		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L23 gi\|71300\|pir\|\|R5RZ23 ribosomal protein L23 - rice chloroplast gi\|12031\|emb\|CAA33938\| (X15901) ribosomal protein L23 [Oryza sativa] gi\|12071\|emb\|CAA33923\| (X15901) ribosomal protein L23 [Oryza sativa] gi\|226652\|prf\|\|1603356CC ribosomal protein L23 [Oryza sativa]		

Seq. No.	35967	Seq. ID	OJ990808_34.9B15.C45
Gene No.	74137	Strand	+
Start	587	End	2067
Name	OJ990808_34.9B15.C45.o2.np	Method	AAT/NAP
Start	587	End	2067
GI	1213600	Score	1389
Exons	587..976, 1640..2067		
GI Descrip.	(X15901) ribosomal protein L2 [Oryza sativa] gi\|1213602\|emb\|CAA33928\| (X15901) ribosomal protein L2 [Oryza sativa] gi\|226679\|prf\|\|1603356DG ribosomal protein L2 [Oryza sativa]		

Seq. No.	35967	Seq. ID	OJ990808_34.9B15.C45
Gene No.	74138	Strand	+
Start	2087	End	2332
Name	OJ990808_34.9B15.C45.o3.np	Method	AAT/NAP
Start	2087	End	2332
GI	82538	Score	439
Exons	2087..2332		
GI Descrip.	hypothetical 9K protein (rps19-rpl2 intergenic region) - rice chloroplast gi\|12028\|emb\|CAA33936\| (X15901) ORF82 [Oryza sativa] gi\|12074\|emb\|CAA33926\| (X15901) ORF82 [Oryza sativa] gi\|226650\|prf\|\|1603356CA ORF 82 [Oryza sativa]		

Seq. No.	35967	Seq. ID	OJ990808_34.9B15.C45
Gene No.	74139	Strand	+
Start	2332	End	2583
Name	OJ990808_34.9B15.C45.o4.np	Method	AAT/NAP
Start	2332	End	2583
GI	1213601	Score	440
Exons	2332..2583		
GI Descrip.	(X15901) ribosomal protein S19 [Oryza sativa] gi\|226648\|prf\|\|1603356BY ribosomal protein S19 [Oryza sativa]		

Seq. No.	35967	Seq. ID	OJ990808_34.9B15.C45
Gene No.	74140	Strand	-
Start	2232	End	2583
Name	OJ990808_34.9B15.C45.o3.tw	Method	TBLASTX:Wheat
Start	6	End	233
GI	none	Score	214
Exons	6..152, 6..167, 174..233, 175..231		

Seq. No.	35967	Seq. ID	OJ990808_34.9B15.C45
Gene No.	74140	Strand	-
Start	2232	End	2583
Name	OJ990808_34.9B15.C45.o1.tc	Method	TBLASTX:Cress
Start	82	End	1300
GI	none	Score	85
Exons	82..168, 84..167, 92..172, 173..247, 174..269, 175..261, 181..279, 266..703, 266..679, 588..695, 652..975, 698..976, 700..978, 771..980, 984..1103, 988..1104, 992..1105, 1091..1222, 1104..1298, 1125..1298, 1129..1299, 1259..1300		

Seq. No.	35967	Seq. ID	OJ990808_34.9B15.C45
Gene No.	74140	Strand	-
Start	2232	End	2583

Name	OJ990808_34.9B15.C45.o2.tm	Method	TBLASTX:Maize
Start	204	End	980
GI	none	Score	682
Exons	204..695, 206..703, 206..694, 697..726, 698..727, 698..727, 700..735, 728..901, 729..794, 730..978, 730..975, 771..980		

Seq. No.	35967	Seq. ID	OJ990808_34.9B15.C45
Gene No.	74140	Strand	-
Start	2232	End	2583
Name	OJ990808_34.9B15.C45.o1.tw	Method	TBLASTX:Wheat
Start	234	End	610
GI	none	Score	579
Exons	234..536, 235..609, 235..609, 236..610, 236..610		

Seq. No.	35967	Seq. ID	OJ990808_34.9B15.C45
Gene No.	74140	Strand	-
Start	2232	End	2583
Name	OJ990808_34.9B15.C45.o2.ts	Method	TBLASTX:Soybean
Start	272	End	848
GI	none	Score	548
Exons	272..703, 278..694, 697..843, 698..844, 698..844, 700..846, 771..848		

Seq. No.	35967	Seq. ID	OJ990808_34.9B15.C45
Gene No.	74140	Strand	-
Start	2232	End	2583
Name	OJ990808_34.9B15.C45.o1.ts	Method	TBLASTX:Soybean
Start	849	End	2581
GI	none	Score	453
Exons	849..1244, 937..1230, 1222..1299, 1223..1300, 1254..1481, 1305..1484, 1306..1482, 1484..1528, 1484..1525, 1485..1526, 1487..1633, 1520..1618, 1604..1702, 1605..1802, 1620..1829, 1735..2064, 1770..2009, 1774..2118, 1775..2065, 2313..2339, 2315..2338, 2343..2567, 2343..2567, 2344..2577, 2429..2581		

Seq. No.	35967	Seq. ID	OJ990808_34.9B15.C45
Gene No.	74140	Strand	-
Start	2232	End	2583
Name	OJ990808_34.9B15.C45.o1.tm	Method	TBLASTX:Maize
Start	1204	End	2033
GI	none	Score	1295
Exons	1204..1575, 1209..2009, 1211..2032, 1212..2033		

Seq. No.	35967	Seq. ID	OJ990808_34.9B15.C45
Gene No.	74140	Strand	-
Start	2232	End	2583
Name	OJ990808_34.9B15.C45.o2.tc	Method	TBLASTX:Cress
Start	1554	End	2442
GI	none	Score	358
Exons	1554..1871, 1634..1702, 1635..1883, 1640..1879, 1893..2009, 1894..2064, 1897..2064, 1899..2066, 1946..2065, 2122..2151, 2123..2152, 2123..2152, 2126..2203, 2146..2202, 2153..2203, 2154..2204, 2343..2441, 2344..2442, 2350..2439		

Seq. No.	35967	Seq. ID	OJ990808_34.9B15.C45
Gene No.	74140	Strand	-
Start	2232	End	2583

Name	OJ990808_34.9B15.C45.o2.tw	Method	TBLASTX:Wheat
Start	1586	End	1893
GI	none	Score	514
Exons	1586..1702, 1587..1892, 1587..1892, 1588..1893		

Seq. No.	35967	Seq. ID	OJ990808_34.9B15.C45
Gene No.	74140	Strand	-
Start	2232	End	2583
Name	OJ990808_34.9B15.C45.o3.tm	Method	TBLASTX:Maize
Start	2215	End	2583
GI	none	Score	155
Exons	2215..2304, 2216..2317, 2216..2317, 2256..2345, 2260..2319, 2306..2380, 2306..2374, 2313..2582, 2347..2583		

Seq. No.	35967	Seq. ID	OJ990808_34.9B15.C45
Gene No.	74140	Strand	-
Start	2232	End	2583
Name	OJ990808_34.9B15.C45.o1.gp	Method	AAT/GAP
Start	2232	End	2583
GI	3073_1.R1084	Score	700
Exons	2232..2583		
GI Descrip.	'133936/sp\|P12146\|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	35968	Seq. ID	OJ990808_34.9B15.C46
Gene No.	74141	Strand	+
Start	835	End	1554
Name	OJ990808_34.9B15.C46.o2.gp	Method	AAT/GAP
Start	835	End	1282
GI	41109_1.R1084	Score	870
Exons	835..1282		
GI Descrip.	'132712/sp\|P12138\|RK16_ORYSA 4.0e-56 CHLOROPLAST 50S RIBOSOMAL PROTEIN L16 >gi_71250_pir__R5RZ16 ribosomal protein L16 - rice chloroplast >gi_669084_emb_CAA33933_ (X15901) ribosomal protein L16 [Oryza sativa] >gi_226645_prf__1603356BV ribosomal protein L16 [Oryza sativa]'		

Seq. No.	35968	Seq. ID	OJ990808_34.9B15.C46
Gene No.	74141	Strand	+
Start	835	End	1554
Name	OJ990808_34.9B15.C46.o1.np	Method	AAT/NAP
Start	848	End	1255
GI	132712	Score	689
Exons	848..1255		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L16 gi\|71250\|pir\|\|R5RZ16 ribosomal protein L16 - rice chloroplast gi\|669084\|emb\|CAA33933\| (X15901) ribosomal protein L16 [Oryza sativa] gi\|226645\|prf\|\|1603356BV ribosomal protein L16 [Oryza sativa]		

Seq. No.	35968	Seq. ID	OJ990808_34.9B15.C46
Gene No.	74141	Strand	+
Start	835	End	1554
Name	OJ990808_34.9B15.C46.o1.gs	Method	GENSCAN
Start	896	End	1538

GI	none	Score	.46
Exons	896..1232, 1402..1538		

Seq. No.	35968	Seq. ID	OJ990808_34.9B15.C46
Gene No.	74141	Strand	+
Start	835	End	1554
Name	OJ990808_34.9B15.C46.o3.gp	Method	AAT/GAP
Start	1290	End	1554
GI	LIB3432-004-P1-K1-G2	Score	508
Exons	1290..1554		
GI Descrip.	'132672/sp\|P12137\|RK14_ORYSA 4.0e-50 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'		

Seq. No.	35968	Seq. ID	OJ990808_34.9B15.C46
Gene No.	74141	Strand	+
Start	835	End	1554
Name	OJ990808_34.9B15.C46.o2.np	Method	AAT/NAP
Start	1368	End	1554
GI	132672	Score	299
Exons	1368..1554		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 gi\|71224\|pir\|\|R5RZ14 ribosomal protein L14 - rice chloroplast gi\|12023\|emb\|CAA33932\| (X15901) ribosomal protein L14 [Oryza sativa] gi\|226644\|prf\|\|1603356BU ribosomal protein L14 [Oryza sativa]		

Seq. No.	35968	Seq. ID	OJ990808_34.9B15.C46
Gene No.	74142	Strand	-
Start	1	End	561
Name	OJ990808_34.9B15.C46.o1.gp	Method	AAT/GAP
Start	1	End	561
GI	2291_1.R1084	Score	1084
Exons	1..561		
GI Descrip.	'133936/sp\|P12146\|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	35968	Seq. ID	OJ990808_34.9B15.C46
Gene No.	74142	Strand	-
Start	1	End	561
Name	OJ990808_34.9B15.C46.o2.tw	Method	TBLASTX:Wheat
Start	1	End	419
GI	none	Score	86
Exons	1..93, 1..99, 105..206, 106..213, 109..189, 111..206, 207..293, 208..294, 208..294, 241..417, 246..296, 261..419, 269..418		

Seq. No.	35968	Seq. ID	OJ990808_34.9B15.C46
Gene No.	74142	Strand	-
Start	1	End	561
Name	OJ990808_34.9B15.C46.o3.tm	Method	TBLASTX:Maize
Start	2	End	178
GI	none	Score	40
Exons	2..52, 4..147, 4..51, 43..147, 105..152, 111..152, 142..177,		

145..177, 149..178

Seq. No.	35968	Seq. ID	OJ990808_34.9B15.C46
Gene No.	74142	Strand	-
Start	1	End	561
Name	OJ990808_34.9B15.C46.o2.tm	Method	TBLASTX:Maize
Start	225	End	542
GI	none	Score	44
Exons	225..287, 238..531, 243..275, 283..534, 293..541, 294..542		

Seq. No.	35968	Seq. ID	OJ990808_34.9B15.C46
Gene No.	74143	Strand	
Start	506	End	911
Name	OJ990808_34.9B15.C46.o3.tw	Method	TBLASTX:Wheat
Start	506	End	911
GI	none	Score	47
Exons	506..538, 507..539, 586..666, 593..655, 651..698, 697..720, 699..722, 706..831, 736..840, 741..866, 741..836, 836..910, 837..911		

Seq. No.	35968	Seq. ID	OJ990808_34.9B15.C46
Gene No.	74144	Strand	
Start	852	End	1553
Name	OJ990808_34.9B15.C46.o1.tc	Method	TBLASTX:Cress
Start	852	End	1325
GI	none	Score	297
Exons	852..1163, 854..1174, 860..1159, 898..1173, 1154..1219, 1293..1325		

Seq. No.	35968	Seq. ID	OJ990808_34.9B15.C46
Gene No.	74144	Strand	
Start	852	End	1553
Name	OJ990808_34.9B15.C46.o1.tm	Method	TBLASTX:Maize
Start	852	End	1553
GI	none	Score	951
Exons	852..1553, 857..1552		

Seq. No.	35968	Seq. ID	OJ990808_34.9B15.C46
Gene No.	74144	Strand	
Start	852	End	1553
Name	OJ990808_34.9B15.C46.o1.ts	Method	TBLASTX:Soybean
Start	852	End	1553
GI	none	Score	368
Exons	852..1238, 854..1243, 857..991, 862..1257, 895..1257, 1040..1273, 1334..1453, 1359..1460, 1448..1552, 1449..1553		

Seq. No.	35968	Seq. ID	OJ990808_34.9B15.C46
Gene No.	74144	Strand	
Start	852	End	1553
Name	OJ990808_34.9B15.C46.o1.tw	Method	TBLASTX:Wheat
Start	943	End	1334
GI	none	Score	535
Exons	943..1326, 944..1327, 1277..1330, 1281..1334, 1282..1332		

Seq. No.	35968	Seq. ID	OJ990808_34.9B15.C46
Gene No.	74144	Strand	
Start	852	End	1553

Name	OJ990808_34.9B15.C46.o2.tc	Method	TBLASTX:Cress
Start	1359	End	1541
GI	none	Score	135
Exons	1359..1460, 1361..1453, 1448..1540, 1449..1541		

Seq. No.	35969	Seq. ID	OJ990808_34.9B15.C47
Gene No.	74145	Strand	-
Start	1	End	233
Name	OJ990808_34.9B15.C47.o1.np	Method	AAT/NAP
Start	1	End	233
GI	225269	Score	349
Exons	1..233		
GI Descrip.	NADH dehydrogenase 2-like ORF 260 [Nicotiana tabacum]		

Seq. No.	35970	Seq. ID	OJ990808_34.9B15.C48
Gene No.	74146	Strand	+
Start	1	End	177
Name	OJ990808_34.9B15.C48.o1.np	Method	AAT/NAP
Start	1	End	177
GI	131332	Score	293
Exons	1..177		
GI Descrip.	PHOTOSYSTEM II 10 KD PHOSPHOPROTEIN gi\|72716\|pir\|\|F2RZ0P photosystem II phosphoprotein psbH - rice chloroplast gi\|11953\|emb\|CAA31204\| (X12695) 10 kD phosphoprotein (AA 1 - 73) [Oryza sativa] gi\|12016\|emb\|CAA33976\| (X15901) PSII 10kDa phosphoprotein [Oryza sativa] gi\|226635\|prf\|\|1603356BJ photosystem II 10kD phosphoprotein [Oryza sativa]		

Seq. No.	35970	Seq. ID	OJ990808_34.9B15.C48
Gene No.	74147	Strand	-
Start	82	End	533
Name	OJ990808_34.9B15.C48.o1.tm	Method	TBLASTX:Maize
Start	2	End	486
GI	none	Score	328
Exons	2..79, 3..227, 4..228, 6..233, 8..235, 134..244, 213..290, 223..294, 224..289, 224..295, 265..294, 282..332, 282..332, 283..333, 284..334, 323..454, 334..366, 338..418, 412..453, 460..486		

Seq. No.	35970	Seq. ID	OJ990808_34.9B15.C48
Gene No.	74147	Strand	-
Start	82	End	533
Name	OJ990808_34.9B15.C48.o1.ts	Method	TBLASTX:Soybean
Start	2	End	315
GI	none	Score	165
Exons	2..79, 3..179, 4..192, 6..179, 264..314, 264..314, 265..315		

Seq. No.	35970	Seq. ID	OJ990808_34.9B15.C48
Gene No.	74147	Strand	-
Start	82	End	533
Name	OJ990808_34.9B15.C48.o1.tc	Method	TBLASTX:Cress
Start	6	End	192
GI	none	Score	267
Exons	6..179, 7..192		

Seq. No.	35970	Seq. ID	OJ990808_34.9B15.C48
Gene No.	74147	Strand	-

Start	82	End	533
Name	OJ990808_34.9B15.C48.o1.gp	Method	AAT/GAP
Start	82	End	533
GI	uC-osflcyp003h11b1	Score	872
Exons	82..533		
GI Descrip.	'131332/sp\|P09449\|PSBH_ORYSA 1.0e-09 PHOTOSYSTEM II 10 KD PHOSPHOPROTEIN >gi_72716_pir__F2RZ0P photosystem II phosphoprotein psbH - rice chloroplast >gi_11953_emb_CAA31204_ (X12695) 10 kD phosphoprotein (AA 1 - 73) [Oryza sativa] >gi_12016_emb_CAA33976_ (X15901) PSII 10kDa phosphoprotein [Oryza sativa] >gi_226635_prf__1603356BJ photosystem II 10kD phosphoprotein [Oryza sativa]'		

Seq. No.	35971	Seq. ID	OJ990808_34.9B15.C49
Gene No.	74148	Strand	+
Start	1	End	219
Name	OJ990808_34.9B15.C49.o1.gp	Method	AAT/GAP
Start	1	End	219
GI	2721_1.R1084	Score	393
Exons	1..219		
GI Descrip.	'114622/sp\|P12087\|ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir__LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		

Seq. No.	35971	Seq. ID	OJ990808_34.9B15.C49
Gene No.	74148	Strand	+
Start	1	End	219
Name	OJ990808_34.9B15.C49.o1.tm	Method	TBLASTX:Maize
Start	19	End	138
GI	none	Score	176
Exons	19..138, 19..138		

Seq. No.	35972	Seq. ID	OJ990808_34.9B15.C50
Gene No.	74149	Strand	-
Start	1	End	133
Name	OJ990808_34.9B15.C50.o1.gp	Method	AAT/GAP
Start	1	End	133
GI	42732_1.R1084	Score	266
Exons	1..133		
GI Descrip.	'114657/sp\|P12083\|ATPI_ORYSA 3.0e-76 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		

Seq. No.	35972	Seq. ID	OJ990808_34.9B15.C50
Gene No.	74150	Strand	-
Start	265	End	844
Name	OJ990808_34.9B15.C50.o1.ts	Method	TBLASTX:Soybean
Start	249	End	841
GI	none	Score	318
Exons	249..701, 254..841, 259..831		

Seq. No.	35972	Seq. ID	OJ990808_34.9B15.C50
Gene No.	74150	Strand	-

Start	265	End	844
Name	OJ990808_34.9B15.C50.o1.np	Method	AAT/NAP
Start	265	End	844
GI	133912	Score	948
Exons	265..844		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S2 gi\|70859\|pir\|\|R3RZ2 ribosomal protein S2 - rice chloroplast gi\|11974\|emb\|CAA33989\| (X15901) ribosomal protein S2 [Oryza sativa] gi\|226692\|prf\|\|1603356T ribosomal protein S2 [Oryza sativa]		

Seq. No.	35972	Seq. ID	OJ990808_34.9B15.C50
Gene No.	74150	Strand	-
Start	265	End	844
Name	OJ990808_34.9B15.C50.o1.tm	Method	TBLASTX:Maize
Start	481	End	780
GI	none	Score	480
Exons	481..780, 481..780		

Seq. No.	35972	Seq. ID	OJ990808_34.9B15.C50
Gene No.	74150	Strand	-
Start	265	End	844
Name	OJ990808_34.9B15.C50.o1.tc	Method	TBLASTX:Cress
Start	485	End	841
GI	none	Score	118
Exons	485..598, 487..600, 594..818, 595..828, 596..841		

Seq. No.	35973	Seq. ID	OJ990808_34.9B15.C51
Gene No.	74151	Strand	-
Start	50	End	196
Name	OJ990808_34.9B15.C51.o1.tc	Method	TBLASTX:Cress
Start	29	End	188
GI	none	Score	54
Exons	29..175, 31..81, 31..177, 32..175, 45..188		

Seq. No.	35973	Seq. ID	OJ990808_34.9B15.C51
Gene No.	74151	Strand	-
Start	50	End	196
Name	OJ990808_34.9B15.C51.o1.ts	Method	TBLASTX:Soybean
Start	44	End	174
GI	none	Score	177
Exons	44..172, 45..173, 46..174, 48..173		

Seq. No.	35973	Seq. ID	OJ990808_34.9B15.C51
Gene No.	74151	Strand	-
Start	50	End	196
Name	OJ990808_34.9B15.C51.o1.np	Method	AAT/NAP
Start	50	End	196
GI	1262595	Score	186
Exons	50..196		
GI Descrip.	(D17510) PSII I protein [Pinus thunbergii]		

Seq. No.	35974	Seq. ID	OJ990528_27.9B05.C2
Gene No.	74152	Strand	+
Start	131	End	326
Name	OJ990528_27.9B05.C2.o1.gs	Method	GENSCAN
Start	131	End	326
GI	none	Score	.75

Exons	131..326		
Seq. No.	35975	Seq. ID	OJ990528_27.9B05.C3
Gene No.	74153	Strand	-
Start	27	End	191
Name	OJ990528_27.9B05.C3.o1.gp	Method	AAT/GAP
Start	27	End	191
GI	30101_1.R1084	Score	277
Exons	27..191		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	35975	Seq. ID	OJ990528_27.9B05.C3
Gene No.	74153	Strand	-
Start	27	End	191
Name	OJ990528_27.9B05.C3.o1.ts	Method	TBLASTX:Soybean
Start	41	End	166
GI	none	Score	174
Exons	41..166		
Seq. No.	35975	Seq. ID	OJ990528_27.9B05.C3
Gene No.	74153	Strand	-
Start	27	End	191
Name	OJ990528_27.9B05.C3.o1.tc	Method	TBLASTX:Cress
Start	44	End	166
GI	none	Score	174
Exons	44..166		
Seq. No.	35976	Seq. ID	OJ990528_27.9B05.C4
Gene No.	74154	Strand	+
Start	236	End	945
Name	OJ990528_27.9B05.C4.o1.gs	Method	GENSCAN
Start	236	End	945
GI	none	Score	.88
Exons	236..945		
Seq. No.	35976	Seq. ID	OJ990528_27.9B05.C4
Gene No.	74155	Strand	+
Start	13068	End	14383
Name	OJ990528_27.9B05.C4.o4.gs	Method	GENSCAN
Start	13068	End	14383
GI	none	Score	.49
Exons	13068..13142, 13230..13370, 13453..13610, 13814..13938, 13980..14383		
Seq. No.	35976	Seq. ID	OJ990528_27.9B05.C4
Gene No.	74156	Strand	+
Start	17532	End	18396
Name	OJ990528_27.9B05.C4.o5.gs	Method	GENSCAN
Start	17532	End	18359
GI	none	Score	.51
Exons	17532..18359		
Seq. No.	35976	Seq. ID	OJ990528_27.9B05.C4
Gene No.	74156	Strand	+
Start	17532	End	18396
Name	OJ990528_27.9B05.C4.o2.np	Method	AAT/NAP

Start	17805	End	18396
GI	4966347	Score	428
Exons	17805..18396		
GI Descrip.	(AC006341) Similar to gb\|AJ012423 wall-associated kinase 2 from Arabidopsis thaliana.		

Seq. No.	35976	Seq. ID	OJ990528_27.9B05.C4
Gene No.	74157	Strand	-
Start	5181	End	18392
Name	OJ990528_27.9B05.C4.o1.tm	Method	TBLASTX:Maize
Start	358	End	18392
GI	none	Score	62
Exons	358..444, 487..660, 17811..17891, 17907..18392, 17915..18130, 18167..18391		

Seq. No.	35976	Seq. ID	OJ990528_27.9B05.C4
Gene No.	74157	Strand	-
Start	5181	End	18392
Name	OJ990528_27.9B05.C4.o1.tc	Method	TBLASTX:Cress
Start	394	End	18392
GI	none	Score	62
Exons	394..465, 493..666, 17811..17891, 17895..18080, 17910..18392, 17915..18376, 18153..18389		

Seq. No.	35976	Seq. ID	OJ990528_27.9B05.C4
Gene No.	74157	Strand	-
Start	5181	End	18392
Name	OJ990528_27.9B05.C4.o1.ts	Method	TBLASTX:Soybean
Start	487	End	18392
GI	none	Score	105
Exons	487..660, 17805..17894, 17910..18392, 17912..18388		

Seq. No.	35976	Seq. ID	OJ990528_27.9B05.C4
Gene No.	74157	Strand	-
Start	5181	End	18392
Name	OJ990528_27.9B05.C4.o3.gs	Method	GENSCAN
Start	5181	End	11718
GI	none	Score	.47
Exons	5181..5292, 5449..5573, 6754..6925, 8952..9058, 9178..9543, 9795..9922, 10150..10263, 11661..11718		

Seq. No.	35976	Seq. ID	OJ990528_27.9B05.C4
Gene No.	74157	Strand	-
Start	5181	End	18392
Name	OJ990528_27.9B05.C4.o1.tw	Method	TBLASTX:Wheat
Start	5504	End	18248
GI	none	Score	202
Exons	5504..5563, 17925..18248		

Seq. No.	35976	Seq. ID	OJ990528_27.9B05.C4
Gene No.	74157	Strand	-
Start	5181	End	18392
Name	OJ990528_27.9B05.C4.o2.tm	Method	TBLASTX:Maize
Start	6658	End	7010
GI	none	Score	48
Exons	6658..6714, 6670..6717, 6722..6742, 6743..6823, 6752..6844, 6769..6846, 6797..6880, 6834..6887, 6835..6879, 6927..7010,		

6928..7008, 6942..7010

Seq. No.	35977	Seq. ID	OJ990528_27.9B05.C5
Gene No.	74158	Strand	+
Start	69	End	764
Name	OJ990528_27.9B05.C5.o1.gs	Method	GENSCAN
Start	69	End	764
GI	none	Score	.41
Exons	69..764		

Seq. No.	35977	Seq. ID	OJ990528_27.9B05.C5
Gene No.	74159	Strand	-
Start	1	End	1445
Name	OJ990528_27.9B05.C5.o2.np	Method	AAT/NAP
Start	1	End	1445
GI	6539588	Score	93
Exons	1..20, 1270..1445		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	35977	Seq. ID	OJ990528_27.9B05.C5
Gene No.	74160	Strand	-
Start	1612	End	1780
Name	OJ990528_27.9B05.C5.o2.gs	Method	GENSCAN
Start	1612	End	1780
GI	none	Score	.61
Exons	1612..1780		

Seq. No.	35978	Seq. ID	OJ990528_27.9B05.C6
Gene No.	74161	Strand	
Start	583	End	1380
Name	OJ990528_27.9B05.C6.o1.tw	Method	TBLASTX:Wheat
Start	583	End	1145
GI	none	Score	185
Exons	583..681, 772..813, 849..1145		

Seq. No.	35978	Seq. ID	OJ990528_27.9B05.C6
Gene No.	74161	Strand	
Start	583	End	1380
Name	OJ990528_27.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	772	End	1281
GI	none	Score	51
Exons	772..807, 849..950, 939..1106, 1135..1164, 1237..1281		

Seq. No.	35978	Seq. ID	OJ990528_27.9B05.C6
Gene No.	74161	Strand	
Start	583	End	1380
Name	OJ990528_27.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	993	End	1380
GI	none	Score	151
Exons	993..1139, 1113..1352, 1123..1377, 1132..1380		

Seq. No.	35979	Seq. ID	OJ990528_27.9B05.C7
Gene No.	74162	Strand	+
Start	620	End	718
Name	OJ990528_27.9B05.C7.o1.gp	Method	AAT/GAP
Start	620	End	718
GI	72793_1.R1084	Score	116

Exons	620..718		
GI Descrip.	'6041757/gb\|AC011806.1\|AC011806 2.0e-27 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	35979	Seq. ID	OJ990528_27.9B05.C7
Gene No.	74163	Strand	+
Start	1310	End	2713
Name	OJ990528_27.9B05.C7.o2.np	Method	AAT/NAP
Start	1310	End	2713
GI	6721512	Score	79
Exons	1310..1414, 2696..2713		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	35979	Seq. ID	OJ990528_27.9B05.C7
Gene No.	74164	Strand	-
Start	1	End	250
Name	OJ990528_27.9B05.C7.o1.np	Method	AAT/NAP
Start	1	End	250
GI	4582447	Score	124
Exons	1..250		
GI Descrip.	(AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	35979	Seq. ID	OJ990528_27.9B05.C7
Gene No.	74165	Strand	-
Start	2930	End	3238
Name	OJ990528_27.9B05.C7.o3.np	Method	AAT/NAP
Start	2833	End	2965
GI	5724773	Score	57
Exons	2833..2965		
GI Descrip.	(AF160183) contains similarity to Antirrhinum majus hypothetical protein TNP2 (GB:X57297); may be a pseudogene [Arabidopsis thaliana]		

Seq. No.	35979	Seq. ID	OJ990528_27.9B05.C7
Gene No.	74165	Strand	-
Start	2930	End	3238
Name	OJ990528_27.9B05.C7.o2.gs	Method	GENSCAN
Start	2930	End	3238
GI	none	Score	.68
Exons	2930..3136, 3152..3238		

Seq. No.	35980	Seq. ID	OJ990528_27.9B05.C8
Gene No.	74166	Strand	+
Start	8000	End	10208
Name	OJ990528_27.9B05.C8.o3.gs	Method	GENSCAN
Start	8000	End	10208
GI	none	Score	.74
Exons	8000..8233, 8250..8422, 8437..8919, 10107..10208		

Seq. No.	35980	Seq. ID	OJ990528_27.9B05.C8
Gene No.	74167	Strand	-
Start	1762	End	7657
Name	OJ990528_27.9B05.C8.o1.np	Method	AAT/NAP
Start	1726	End	7657
GI	6466937	Score	2111

Exons	1726..5860, 7626..7657		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	35980	Seq. ID	OJ990528_27.9B05.C8
Gene No.	74167	Strand	-
Start	1762	End	7657
Name	OJ990528_27.9B05.C8.o2.gs	Method	GENSCAN
Start	1762	End	7648
GI	none	Score	.76
Exons	1762..1866, 1963..2160, 2263..2604, 2685..3757, 3848..4411, 4441..5915, 6041..6343, 7560..7648		
Seq. No.	35980	Seq. ID	OJ990528_27.9B05.C8
Gene No.	74167	Strand	-
Start	1762	End	7657
Name	OJ990528_27.9B05.C8.o4.tm	Method	TBLASTX:Maize
Start	1792	End	2142
GI	none	Score	141
Exons	1792..2142, 1798..2103		
Seq. No.	35980	Seq. ID	OJ990528_27.9B05.C8
Gene No.	74167	Strand	-
Start	1762	End	7657
Name	OJ990528_27.9B05.C8.o2.tw	Method	TBLASTX:Wheat
Start	2236	End	2816
GI	none	Score	148
Exons	2236..2610, 2610..2816		
Seq. No.	35980	Seq. ID	OJ990528_27.9B05.C8
Gene No.	74167	Strand	-
Start	1762	End	7657
Name	OJ990528_27.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	2437	End	2996
GI	none	Score	48
Exons	2437..2610, 2438..2602, 2610..2996, 2617..2721, 2776..2931		
Seq. No.	35980	Seq. ID	OJ990528_27.9B05.C8
Gene No.	74167	Strand	-
Start	1762	End	7657
Name	OJ990528_27.9B05.C8.o1.ts	Method	TBLASTX:Soybean
Start	2664	End	3006
GI	none	Score	108
Exons	2664..2987, 2767..3006		
Seq. No.	35980	Seq. ID	OJ990528_27.9B05.C8
Gene No.	74167	Strand	-
Start	1762	End	7657
Name	OJ990528_27.9B05.C8.o5.tm	Method	TBLASTX:Maize
Start	3138	End	3431
GI	none	Score	83
Exons	3138..3272, 3306..3431, 3328..3420		
Seq. No.	35980	Seq. ID	OJ990528_27.9B05.C8
Gene No.	74167	Strand	-
Start	1762	End	7657
Name	OJ990528_27.9B05.C8.o3.tw	Method	TBLASTX:Wheat

Start	3306	End	3731
GI	none	Score	231
Exons	3306..3731		

Seq. No.	35980	Seq. ID	OJ990528_27.9B05.C8
Gene No.	74167	Strand	-
Start	1762	End	7657
Name	OJ990528_27.9B05.C8.o3.tm	Method	TBLASTX:Maize
Start	3534	End	3944
GI	none	Score	147
Exons	3534..3689, 3574..3690, 3683..3853, 3728..3820, 3864..3944		

Seq. No.	35980	Seq. ID	OJ990528_27.9B05.C8
Gene No.	74167	Strand	-
Start	1762	End	7657
Name	OJ990528_27.9B05.C8.o2.ts	Method	TBLASTX:Soybean
Start	3752	End	4097
GI	none	Score	82
Exons	3752..3856, 3862..4092, 3867..4097		

Seq. No.	35980	Seq. ID	OJ990528_27.9B05.C8
Gene No.	74167	Strand	-
Start	1762	End	7657
Name	OJ990528_27.9B05.C8.o4.tw	Method	TBLASTX:Wheat
Start	3864	End	4070
GI	none	Score	179
Exons	3864..4070		

Seq. No.	35980	Seq. ID	OJ990528_27.9B05.C8
Gene No.	74167	Strand	-
Start	1762	End	7657
Name	OJ990528_27.9B05.C8.o2.tm	Method	TBLASTX:Maize
Start	4020	End	4504
GI	none	Score	138
Exons	4020..4412, 4024..4413, 4439..4504		

Seq. No.	35980	Seq. ID	OJ990528_27.9B05.C8
Gene No.	74167	Strand	-
Start	1762	End	7657
Name	OJ990528_27.9B05.C8.o1.tw	Method	TBLASTX:Wheat
Start	4074	End	4555
GI	none	Score	118
Exons	4074..4412, 4107..4397, 4436..4555		

Seq. No.	35980	Seq. ID	OJ990528_27.9B05.C8
Gene No.	74167	Strand	-
Start	1762	End	7657
Name	OJ990528_27.9B05.C8.o6.tm	Method	TBLASTX:Maize
Start	5636	End	5863
GI	none	Score	89
Exons	5636..5863, 5637..5768		

Seq. No.	35981	Seq. ID	OJ990528_27.9B05.C9
Gene No.	74168	Strand	+
Start	1	End	3153
Name	OJ990528_27.9B05.C9.o1.np	Method	AAT/NAP
Start	1	End	3153

GI	4826399	Score	483
Exons	1..43, 1152..2020, 3100..3153		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		

Seq. No.	35981	Seq. ID	OJ990528_27.9B05.C9
Gene No.	74168	Strand	+
Start	1	End	3153
Name	OJ990528_27.9B05.C9.o1.gs	Method	GENSCAN
Start	1025	End	3009
GI	none	Score	.65
Exons	1025..2074, 2104..3009		

Seq. No.	35981	Seq. ID	OJ990528_27.9B05.C9
Gene No.	74168	Strand	+
Start	1	End	3153
Name	OJ990528_27.9B05.C9.o2.np	Method	AAT/NAP
Start	1159	End	2071
GI	6587820	Score	459
Exons	1159..2071		
GI Descrip.	(AC010924) Contains similarity to gb\|AJ009695 wall-associated kinase 4 from Arabidopsis thaliana and contains a protein kinase PF\|00069 domain.		

Seq. No.	35981	Seq. ID	OJ990528_27.9B05.C9
Gene No.	74168	Strand	+
Start	1	End	3153
Name	OJ990528_27.9B05.C9.o3.np	Method	AAT/NAP
Start	1159	End	2073
GI	6587816	Score	473
Exons	1159..2073		
GI Descrip.	(AC010924) Contains similarity to gb\|AJ009696 wall-associated kinase 1 from Arabidopsis thaliana and contains a protein kinase PF\|00069 domain.		

Seq. No.	35981	Seq. ID	OJ990528_27.9B05.C9
Gene No.	74169	Strand	+
Start	10591	End	17326
Name	OJ990528_27.9B05.C9.o4.np	Method	AAT/NAP
Start	10090	End	17083
GI	2245062	Score	273
Exons	10090..10179, 13469..13550, 13867..13923, 14224..14262, 14491..14562, 15002..15055, 15417..15526, 16714..16764, 17006..17083		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35981	Seq. ID	OJ990528_27.9B05.C9
Gene No.	74169	Strand	+
Start	10591	End	17326
Name	OJ990528_27.9B05.C9.o3.gs	Method	GENSCAN
Start	10591	End	17326
GI	none	Score	.63
Exons	10591..10786, 11370..11457, 11537..11613, 12218..12264, 12997..13082, 13469..13550, 13867..13923, 14224..14262, 14528..14562, 14620..14660, 15002..15055, 15138..15167, 16623..17326		

Seq. No.	35981	Seq. ID	OJ990528_27.9B05.C9

Gene No.	74169	Strand	+
Start	10591	End	17326
Name	OJ990528_27.9B05.C9.o3.gp	Method	AAT/GAP
Start	10737	End	15711
GI	1397_1.R1084	Score	2320
Exons	10737..10786, 11370..11457, 11537..11613, 11933..11972, 12198..12264, 12997..13082, 13469..13550, 13867..13923, 14224..14262, 14491..14562, 15002..15055, 15138..15711		
GI Descrip.	'2245062/emb\|CAB10485.1\| 6.0e-46 (Z97342) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	35981	Seq. ID	OJ990528_27.9B05.C9
Gene No.	74170	Strand	-
Start	3669	End	7571
Name	OJ990528_27.9B05.C9.o1.ts	Method	TBLASTX:Soybean
Start	1196	End	2796
GI	none	Score	508
Exons	1196..1792, 1213..1782, 2278..2358, 2434..2517, 2608..2796		

Seq. No.	35981	Seq. ID	OJ990528_27.9B05.C9
Gene No.	74170	Strand	-
Start	3669	End	7571
Name	OJ990528_27.9B05.C9.o1.tc	Method	TBLASTX:Cress
Start	1208	End	2796
GI	none	Score	60
Exons	1208..1282, 1291..1770, 1295..1792, 1832..1996, 2182..2358, 2197..2358, 2541..2567, 2614..2796		

Seq. No.	35981	Seq. ID	OJ990528_27.9B05.C9
Gene No.	74170	Strand	-
Start	3669	End	7571
Name	OJ990528_27.9B05.C9.o1.tm	Method	TBLASTX:Maize
Start	1208	End	2796
GI	none	Score	69
Exons	1208..1282, 1213..1275, 1295..1786, 1309..1524, 1561..1785, 1841..2005, 2197..2358, 2602..2796		

Seq. No.	35981	Seq. ID	OJ990528_27.9B05.C9
Gene No.	74170	Strand	-
Start	3669	End	7571
Name	OJ990528_27.9B05.C9.o1.tw	Method	TBLASTX:Wheat
Start	1396	End	2817
GI	none	Score	55
Exons	1396..1443, 1397..1468, 1472..1657, 1492..1629, 1669..1776, 1670..1777, 2698..2817		

Seq. No.	35981	Seq. ID	OJ990528_27.9B05.C9
Gene No.	74170	Strand	-
Start	3669	End	7571
Name	OJ990528_27.9B05.C9.o1.gp	Method	AAT/GAP
Start	3669	End	4897
GI	11657_1.R1084	Score	1687
Exons	3669..4260, 4523..4729, 4807..4897		
GI Descrip.	'6015437/dbj\|AB008112.1\|AB008112 3.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	35981	Seq. ID	OJ990528_27.9B05.C9

Gene No.	74170	Strand	-
Start	3669	End	7571
Name	OJ990528_27.9B05.C9.o4.ts	Method	TBLASTX:Soybean
Start	3872	End	4263
GI	none	Score	57
Exons	3872..3904, 3997..4038, 4001..4039, 4129..4263, 4130..4243, 4147..4263		

Seq. No.	35981	Seq. ID	OJ990528_27.9B05.C9
Gene No.	74170	Strand	-
Start	3669	End	7571
Name	OJ990528_27.9B05.C9.o2.gs	Method	GENSCAN
Start	3997	End	7571
GI	none	Score	.87
Exons	3997..4292, 4666..4729, 4807..4963, 5696..5794, 6188..6327, 7125..7571		

Seq. No.	35981	Seq. ID	OJ990528_27.9B05.C9
Gene No.	74170	Strand	-
Start	3669	End	7571
Name	OJ990528_27.9B05.C9.o2.gp	Method	AAT/GAP
Start	5188	End	7279
GI	30101_1.R1084	Score	1513
Exons	5188..5606, 5696..5794, 5882..5981, 6188..6327, 7125..7279		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	35981	Seq. ID	OJ990528_27.9B05.C9
Gene No.	74170	Strand	-
Start	3669	End	7571
Name	OJ990528_27.9B05.C9.o2.ts	Method	TBLASTX:Soybean
Start	5314	End	5982
GI	none	Score	210
Exons	5314..5607, 5316..5609, 5691..5813, 5693..5797, 5722..5808, 5884..5982		

Seq. No.	35981	Seq. ID	OJ990528_27.9B05.C9
Gene No.	74170	Strand	-
Start	3669	End	7571
Name	OJ990528_27.9B05.C9.o5.ts	Method	TBLASTX:Soybean
Start	6187	End	7262
GI	none	Score	118
Exons	6187..6294, 6188..6364, 6188..6295, 6288..6335, 6295..6336, 7140..7262		

Seq. No.	35981	Seq. ID	OJ990528_27.9B05.C9
Gene No.	74171	Strand	
Start	10681	End	13926
Name	OJ990528_27.9B05.C9.o3.ts	Method	TBLASTX:Soybean
Start	10681	End	13926
GI	none	Score	83
Exons	10681..10785, 11369..11458, 11375..11458, 11537..11602, 11538..11609, 12981..13085, 12991..13089, 13493..13549, 13494..13553, 13867..13926		

Seq. No.	35981	Seq. ID	OJ990528_27.9B05.C9
Gene No.	74171	Strand	

Start	10681	End	13926
Name	OJ990528_27.9B05.C9.o2.tc	Method	TBLASTX:Cress
Start	10734	End	11618
GI	none	Score	89
Exons	10734..10784, 10735..10785, 11368..11457, 11368..11457, 11369..11458, 11376..11468, 11525..11617, 11537..11608, 11541..11618		

Seq. No.	35982	Seq. ID	OJ990528_27.9B05.C10
Gene No.	74172	Strand	-
Start	501	End	1979
Name	OJ990528_27.9B05.C10.o1.gp	Method	AAT/GAP
Start	501	End	1979
GI	LIB3477-003-P1-K1-E9	Score	135
Exons	501..527, 810..902, 1958..1979		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	35983	Seq. ID	OJ990528_27.9B05.C11
Gene No.	74173	Strand	+
Start	1	End	3260
Name	OJ990528_27.9B05.C11.o1.np	Method	AAT/NAP
Start	1	End	3259
GI	729880	Score	923
Exons	1..40, 1342..1558, 2386..2495, 2573..2738, 3132..3259		
GI Descrip.	CASEIN KINASE II BETA CHAIN (CK II) gi\|1076299\|pir\|\|S47967 casein kinase II (EC 2.7.1.-) beta chain CKB1 - Arabidopsis thaliana gi\|468264 (L22563) casein kinase II beta subunit CKB1 [Arabidopsis thaliana]		

Seq. No.	35983	Seq. ID	OJ990528_27.9B05.C11
Gene No.	74173	Strand	+
Start	1	End	3260
Name	OJ990528_27.9B05.C11.o1.gs	Method	GENSCAN
Start	1273	End	2681
GI	none	Score	.66
Exons	1273..1558, 2386..2681		

Seq. No.	35983	Seq. ID	OJ990528_27.9B05.C11
Gene No.	74173	Strand	+
Start	1	End	3260
Name	OJ990528_27.9B05.C11.o1.gp	Method	AAT/GAP
Start	1418	End	3260
GI	LIB3432-034-P2-K1-H4	Score	990
Exons	1418..1558, 2386..2495, 2573..2738, 3132..3260		
GI Descrip.	'729882/sp\|P40229\|KC2C_ARATH 5.0e-99 CASEIN KINASE II BETA'' CHAIN (CK II) >gi_1076300_pir__S47968 casein kinase II (EC 2.7.1.-) beta chain CKB2 - Arabidopsis thaliana >gi_467975 (U03984) casein kinase II beta subunit CKB2 [Arabidopsis thaliana] >gi_2245122_emb_CAB10544.1_ (Z97343) casein kinase II beta chain CKB2 [Arabidopsis thaliana]'		

Seq. No.	35983	Seq. ID	OJ990528_27.9B05.C11
Gene No.	74174	Strand	-
Start	3128	End	8454
Name	OJ990528_27.9B05.C11.o1.tc	Method	TBLASTX:Cress

Start	1334	End	3262
GI	none	Score	78
Exons	1334..1504, 1334..1552, 1371..1553, 1399..1563, 2385..2495, 2386..2493, 2388..2495, 2568..2693, 2575..2742, 2576..2743, 3131..3262, 3133..3261		

Seq. No.	35983	Seq. ID	OJ990528_27.9B05.C11
Gene No.	74174	Strand	-
Start	3128	End	8454
Name	OJ990528_27.9B05.C11.o1.tm	Method	TBLASTX:Maize
Start	1334	End	3534
GI	none	Score	167
Exons	1334..1561, 1337..1507, 1399..1560, 2385..2525, 2385..2495, 2567..2743, 2568..2738, 2572..2742, 3131..3262, 3133..3261, 3376..3402, 3451..3534		

Seq. No.	35983	Seq. ID	OJ990528_27.9B05.C11
Gene No.	74174	Strand	-
Start	3128	End	8454
Name	OJ990528_27.9B05.C11.o1.ts	Method	TBLASTX:Soybean
Start	1340	End	3280
GI	none	Score	106
Exons	1340..1531, 1358..1504, 1371..1559, 1399..1560, 2385..2525, 2385..2495, 2567..2743, 2572..2784, 3109..3276, 3131..3280, 3133..3279		

Seq. No.	35983	Seq. ID	OJ990528_27.9B05.C11
Gene No.	74174	Strand	-
Start	3128	End	8454
Name	OJ990528_27.9B05.C11.o2.gs	Method	GENSCAN
Start	3128	End	8454
GI	none	Score	.51
Exons	3128..3606, 5807..5837, 7995..8106, 8294..8454		

Seq. No.	35983	Seq. ID	OJ990528_27.9B05.C11
Gene No.	74174	Strand	-
Start	3128	End	8454
Name	OJ990528_27.9B05.C11.o2.gp	Method	AAT/GAP
Start	3265	End	3572
GI	none	Score	572
Exons	3265..3572		

Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74175	Strand	+
Start	1	End	6155
Name	OJ990528_27.9B05.C12.o1.np	Method	AAT/NAP
Start	1	End	6155
GI	6681335	Score	744
Exons	1..291, 1011..1274, 1732..1854, 2595..3002, 6069..6155		
GI Descrip.	(AC015985) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74175	Strand	+
Start	1	End	6155
Name	OJ990528_27.9B05.C12.o1.gs	Method	GENSCAN
Start	10	End	3194
GI	none	Score	.83

Exons	10..291, 1011..1274, 1732..1854, 2595..3194		
Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74176	Strand	-
Start	3938	End	6393
Name	OJ990528_27.9B05.C12.o1.gp	Method	AAT/GAP
Start	3938	End	6185
GI	19698_1.R1084	Score	1179
Exons	3938..4519, 6121..6185		
GI Descrip.	'2493046/sp\|Q40089\|ATP4_IPOBA 6.0e-54 ATP SYNTHASE DELTA'' CHAIN, MITOCHONDRIAL PRECURSOR >gi_82297_pir__A41740 H+-transporting ATP synthase (EC 3.6.1.34) delta'' chain precursor - sweet potato >gi_217938_dbj_BAA01511_ (D10660) mitochondrial F1-ATPase delta subunit [Ipomoea batatas]'		
Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74176	Strand	-
Start	3938	End	6393
Name	OJ990528_27.9B05.C12.o2.gs	Method	GENSCAN
Start	4175	End	6393
GI	none	Score	.77
Exons	4175..4519, 5940..6056, 6121..6216, 6256..6393		
Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74177	Strand	-
Start	6875	End	11637
Name	OJ990528_27.9B05.C12.o2.ts	Method	TBLASTX:Soybean
Start	52	End	1890
GI	none	Score	163
Exons	52..228, 1003..1068, 1005..1100, 1005..1091, 1097..1276, 1101..1280, 1101..1292, 1726..1890, 1731..1856, 1738..1857		
Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74177	Strand	-
Start	6875	End	11637
Name	OJ990528_27.9B05.C12.o4.tc	Method	TBLASTX:Cress
Start	100	End	1259
GI	none	Score	92
Exons	100..204, 250..291, 1005..1091, 1008..1088, 1110..1259, 1112..1258		
Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74177	Strand	-
Start	6875	End	11637
Name	OJ990528_27.9B05.C12.o3.tw	Method	TBLASTX:Wheat
Start	163	End	1259
GI	none	Score	70
Exons	163..204, 1008..1052, 1053..1091, 1110..1259, 1130..1258		
Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74177	Strand	-
Start	6875	End	11637
Name	OJ990528_27.9B05.C12.o3.tm	Method	TBLASTX:Maize
Start	1158	End	2906
GI	none	Score	102
Exons	1158..1256, 1732..1857, 1734..1859, 2580..2906, 2594..2764		

Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74177	Strand	-
Start	6875	End	11637
Name	OJ990528_27.9B05.C12.o3.tc	Method	TBLASTX:Cress
Start	1729	End	2906
GI	none	Score	155
Exons	1729..1857, 1740..1856, 2580..2906, 2594..2827		

Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74177	Strand	-
Start	6875	End	11637
Name	OJ990528_27.9B05.C12.o2.tw	Method	TBLASTX:Wheat
Start	1774	End	2906
GI	none	Score	71
Exons	1774..1857, 2580..2906, 2597..2755		

Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74177	Strand	-
Start	6875	End	11637
Name	OJ990528_27.9B05.C12.o3.ts	Method	TBLASTX:Soybean
Start	2579	End	2906
GI	none	Score	309
Exons	2579..2842, 2580..2906		

Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74177	Strand	-
Start	6875	End	11637
Name	OJ990528_27.9B05.C12.o1.tm	Method	TBLASTX:Maize
Start	3943	End	6393
GI	none	Score	76
Exons	3943..4005, 4021..4086, 4026..4088, 4068..4118, 4092..4115, 4142..4522, 4144..4293, 4145..4528, 4354..4566, 6118..6327, 6122..6325, 6334..6393		

Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74177	Strand	-
Start	6875	End	11637
Name	OJ990528_27.9B05.C12.o1.tw	Method	TBLASTX:Wheat
Start	4165	End	6393
GI	none	Score	127
Exons	4165..4287, 4167..4277, 4174..4521, 4175..4528, 4175..4522, 6118..6381, 6122..6334, 6325..6393		

Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74177	Strand	-
Start	6875	End	11637
Name	OJ990528_27.9B05.C12.o1.tc	Method	TBLASTX:Cress
Start	4175	End	6265
GI	none	Score	321
Exons	4175..4540, 4179..4544, 6118..6264, 6137..6265		

Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74177	Strand	-
Start	6875	End	11637
Name	OJ990528_27.9B05.C12.o1.ts	Method	TBLASTX:Soybean
Start	4175	End	6333
GI	none	Score	350

Exons	4175..4540, 4179..4520, 4357..4560, 6118..6333, 6146..6310		
Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74177	Strand	-
Start	6875	End	11637
Name	OJ990528_27.9B05.C12.o2.np	Method	AAT/NAP
Start	6875	End	11637
GI	2245120	Score	769
Exons	6875..6910, 9373..10512, 10576..10842, 10891..11279, 11613..11637		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74177	Strand	-
Start	6875	End	11637
Name	OJ990528_27.9B05.C12.o3.gs	Method	GENSCAN
Start	9361	End	11295
GI	none	Score	1
Exons	9361..11295		
Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74177	Strand	-
Start	6875	End	11637
Name	OJ990528_27.9B05.C12.o2.tm	Method	TBLASTX:Maize
Start	9426	End	9840
GI	none	Score	381
Exons	9426..9839, 9427..9837, 9463..9840		
Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74177	Strand	-
Start	6875	End	11637
Name	OJ990528_27.9B05.C12.o2.tc	Method	TBLASTX:Cress
Start	9445	End	9831
GI	none	Score	83
Exons	9445..9831, 9644..9799		
Seq. No.	35984	Seq. ID	OJ990528_27.9B05.C12
Gene No.	74177	Strand	-
Start	6875	End	11637
Name	OJ990528_27.9B05.C12.o4.tm	Method	TBLASTX:Maize
Start	9841	End	10116
GI	none	Score	248
Exons	9841..10116, 9844..10116		
Seq. No.	35985	Seq. ID	OJ990528_27.9B05.C13
Gene No.	74178	Strand	+
Start	1824	End	3596
Name	OJ990528_27.9B05.C13.o2.gs	Method	GENSCAN
Start	1824	End	3596
GI	none	Score	.82
Exons	1824..1977, 3472..3596		
Seq. No.	35985	Seq. ID	OJ990528_27.9B05.C13
Gene No.	74179	Strand	-
Start	520	End	11777
Name	OJ990528_27.9B05.C13.o1.gs	Method	GENSCAN
Start	520	End	846

GI	none	Score	.86
Exons	520..846		
Seq. No.	35985	Seq. ID	OJ990528_27.9B05.C13
Gene No.	74179	Strand	-
Start	520	End	11777
Name	OJ990528_27.9B05.C13.o1.tm	Method	TBLASTX:Maize
Start	533	End	769
GI	none	Score	226
Exons	533..622, 551..769, 565..768		
Seq. No.	35985	Seq. ID	OJ990528_27.9B05.C13
Gene No.	74179	Strand	-
Start	520	End	11777
Name	OJ990528_27.9B05.C13.o1.ts	Method	TBLASTX:Soybean
Start	551	End	762
GI	none	Score	155
Exons	551..757, 565..762		
Seq. No.	35985	Seq. ID	OJ990528_27.9B05.C13
Gene No.	74179	Strand	-
Start	520	End	11777
Name	OJ990528_27.9B05.C13.o1.tw	Method	TBLASTX:Wheat
Start	551	End	781
GI	none	Score	204
Exons	551..781, 557..625, 565..768		
Seq. No.	35985	Seq. ID	OJ990528_27.9B05.C13
Gene No.	74179	Strand	-
Start	520	End	11777
Name	OJ990528_27.9B05.C13.o1.np	Method	AAT/NAP
Start	561	End	11777
GI	791146	Score	219
Exons	561..859, 3632..3746, 6617..6832, 11563..11777		
GI Descrip.	(X86028) extensin-like protein [Vigna unguiculata]		
Seq. No.	35985	Seq. ID	OJ990528_27.9B05.C13
Gene No.	74179	Strand	-
Start	520	End	11777
Name	OJ990528_27.9B05.C13.o1.tc	Method	TBLASTX:Cress
Start	565	End	712
GI	none	Score	137
Exons	565..711, 566..712		
Seq. No.	35985	Seq. ID	OJ990528_27.9B05.C13
Gene No.	74179	Strand	-
Start	520	End	11777
Name	OJ990528_27.9B05.C13.o1.gp	Method	AAT/GAP
Start	568	End	632
GI	19698_1.R1084	Score	91
Exons	568..632		
GI Descrip.	'2493046/sp\|Q40089\|ATP4_IPOBA 6.0e-54 ATP SYNTHASE DELTA'' CHAIN, MITOCHONDRIAL PRECURSOR >gi_82297_pir__A41740 H+-transporting ATP synthase (EC 3.6.1.34) delta'' chain precursor - sweet potato >gi_217938_dbj_BAA01511_ (D10660) mitochondrial F1-ATPase delta subunit [Ipomoea batatas]'		

Seq. No.	35985	Seq. ID	OJ990528_27.9B05.C13
Gene No.	74179	Strand	-
Start	520	End	11777
Name	OJ990528_27.9B05.C13.o3.gs	Method	GENSCAN
Start	4537	End	6422
GI	none	Score	.56
Exons	4537..4707, 5723..5803, 5936..5993, 6292..6422		

Seq. No.	35986	Seq. ID	OJ990528_27.9B05.C15
Gene No.	74180	Strand	+
Start	1	End	9183
Name	OJ990528_27.9B05.C15.o1.np	Method	AAT/NAP
Start	1	End	9183
GI	2739355	Score	2527
Exons	1..232, 1137..1388, 1495..1665, 1821..1871, 1996..2088, 2253..2348, 2440..2496, 2580..2698, 3037..3142, 3516..3641, 3718..3789, 4091..4162, 4253..4319, 4388..4530, 4622..4693, 4760..4888, 5445..5600, 5707..5820, 5919..6017, 6102..6179, 6530..6664, 7209..7287, 9054..9183		
GI Descrip.	(AC003972) pNORF1 [Homo sapiens] gi\|3328175 (AF074016) nonsense-mediated mRNA decay trans-acting factor [Homo sapiens]		

Seq. No.	35986	Seq. ID	OJ990528_27.9B05.C15
Gene No.	74180	Strand	+
Start	1	End	9183
Name	OJ990528_27.9B05.C15.o1.gs	Method	GENSCAN
Start	71	End	8756
GI	none	Score	.83
Exons	71..232, 1137..1388, 1495..1665, 1821..1871, 1996..2088, 2253..2348, 2446..2496, 2580..2698, 3037..3193, 3519..3641, 3718..3789, 4091..4162, 4253..4319, 4388..4530, 4622..4693, 4760..4888, 5445..5600, 5707..5820, 6102..6179, 6530..6664, 7209..7283, 7375..7489, 7586..7956, 8031..8093, 8177..8248, 8640..8756		

Seq. No.	35986	Seq. ID	OJ990528_27.9B05.C15
Gene No.	74180	Strand	+
Start	1	End	9183
Name	OJ990528_27.9B05.C15.o3.tc	Method	TBLASTX:Cress
Start	1589	End	2345
GI	none	Score	88
Exons	1589..1675, 1591..1680, 1821..1877, 1993..2088, 1995..2090, 1996..2088, 2253..2345		

Seq. No.	35986	Seq. ID	OJ990528_27.9B05.C15
Gene No.	74180	Strand	+
Start	1	End	9183
Name	OJ990528_27.9B05.C15.o3.ts	Method	TBLASTX:Soybean
Start	2437	End	2660
GI	none	Score	81
Exons	2437..2499, 2440..2499, 2570..2656, 2574..2654, 2577..2660, 2579..2659		

Seq. No.	35986	Seq. ID	OJ990528_27.9B05.C15
Gene No.	74180	Strand	+
Start	1	End	9183
Name	OJ990528_27.9B05.C15.o2.tc	Method	TBLASTX:Cress

Start	3039	End	4428
GI	none	Score	76
Exons	3039..3137, 3049..3141, 3053..3142, 3515..3652, 3515..3643, 3516..3653, 3715..3792, 3717..3791, 4084..4164, 4084..4164, 4085..4165, 4088..4165, 4250..4321, 4253..4321, 4386..4421, 4387..4428		

Seq. No.	35986	Seq. ID	OJ990528_27.9B05.C15
Gene No.	74180	Strand	+
Start	1	End	9183
Name	OJ990528_27.9B05.C15.o1.gp	Method	AAT/GAP
Start	3712	End	4474
GI	LIB3475-002-P1-K2-G7	Score	536
Exons	3712..3789, 4091..4162, 4253..4319, 4388..4474		
GI Descrip.	'1885356 6.0e-34 (U59323) type 1 RNA helicase pNORF1 [Homo sapiens]'		

Seq. No.	35986	Seq. ID	OJ990528_27.9B05.C15
Gene No.	74180	Strand	+
Start	1	End	9183
Name	OJ990528_27.9B05.C15.o1.tm	Method	TBLASTX:Maize
Start	4124	End	4810
GI	none	Score	73
Exons	4124..4165, 4126..4164, 4250..4321, 4253..4321, 4386..4532, 4387..4539, 4619..4696, 4621..4695, 4757..4810, 4760..4792		

Seq. No.	35986	Seq. ID	OJ990528_27.9B05.C15
Gene No.	74180	Strand	+
Start	1	End	9183
Name	OJ990528_27.9B05.C15.o2.ts	Method	TBLASTX:Soybean
Start	4444	End	5751
GI	none	Score	151
Exons	4444..4539, 4446..4532, 4617..4694, 4618..4695, 4619..4696, 4757..4882, 4759..4890, 4760..4891, 5344..5460, 5438..5596, 5439..5603, 5442..5603, 5704..5739, 5706..5741, 5707..5751		

Seq. No.	35986	Seq. ID	OJ990528_27.9B05.C15
Gene No.	74180	Strand	+
Start	1	End	9183
Name	OJ990528_27.9B05.C15.o1.tc	Method	TBLASTX:Cress
Start	5426	End	6670
GI	none	Score	80
Exons	5426..5593, 5438..5596, 5439..5603, 5442..5600, 5704..5808, 5707..5841, 5709..5816, 5916..5993, 5918..6019, 5919..6020, 6097..6174, 6099..6176, 6101..6175, 6526..6666, 6530..6664, 6533..6670		

Seq. No.	35986	Seq. ID	OJ990528_27.9B05.C15
Gene No.	74180	Strand	+
Start	1	End	9183
Name	OJ990528_27.9B05.C15.o3.tm	Method	TBLASTX:Maize
Start	5949	End	7725
GI	none	Score	117
Exons	5949..6020, 5950..6018, 5957..6019, 5962..6021, 6058..6180, 6099..6179, 6101..6184, 6101..6184, 6527..6664, 6529..6666, 6529..6666, 6639..6701, 7157..7282, 7207..7281, 7208..7282, 7209..7286, 7372..7488, 7374..7490, 7375..7491, 7416..7493,		

7584..7691, 7585..7692, 7593..7694, 7595..7693, 7692..7724, 7693..7725, 7693..7725

Seq. No.	35986	Seq. ID	OJ990528_27.9B05.C15
Gene No.	74180	Strand	+
Start	1	End	9183
Name	OJ990528_27.9B05.C15.o1.ts	Method	TBLASTX:Soybean
Start	5957	End	8885
GI	none	Score	101
Exons	5957..6019, 5958..6020, 6099..6185, 6101..6175, 6526..6666, 6527..6664, 6527..6670, 7208..7282, 7209..7286, 7375..7494, 7425..7484, 7591..7689, 7599..7688, 7675..7785, 7822..7944, 7848..7946, 8019..8093, 8057..8089, 8197..8244, 8198..8248, 8413..8445, 8443..8541, 8448..8528, 8637..8735, 8639..8725, 8832..8885		

Seq. No.	35986	Seq. ID	OJ990528_27.9B05.C15
Gene No.	74180	Strand	+
Start	1	End	9183
Name	OJ990528_27.9B05.C15.o2.gp	Method	AAT/GAP
Start	5984	End	8470
GI	7810_1.R1084	Score	1665
Exons	5984..6017, 6102..6179, 6530..6664, 7209..7283, 7375..7487, 7585..7956, 8031..8093, 8177..8248, 8414..8470		
GI Descrip.	'1944407/dbj\|BAA19664\| 1.0e-47 (D86988) KIAA0221 [Homo sapiens]'		

Seq. No.	35986	Seq. ID	OJ990528_27.9B05.C15
Gene No.	74180	Strand	+
Start	1	End	9183
Name	OJ990528_27.9B05.C15.o4.tm	Method	TBLASTX:Maize
Start	7738	End	7958
GI	none	Score	57
Exons	7738..7785, 7750..7785, 7751..7786, 7787..7957, 7790..7957, 7824..7958, 7824..7958		

Seq. No.	35986	Seq. ID	OJ990528_27.9B05.C15
Gene No.	74180	Strand	+
Start	1	End	9183
Name	OJ990528_27.9B05.C15.o2.tm	Method	TBLASTX:Maize
Start	8042	End	9094
GI	none	Score	66
Exons	8042..8095, 8042..8089, 8043..8111, 8175..8240, 8175..8249, 8176..8250, 8402..8530, 8406..8543, 8413..8541, 8630..8722, 8631..8744, 8638..8757, 8638..8760, 8834..8935, 8834..8935, 8957..8992, 8960..8986, 9021..9059, 9032..9094		

Seq. No.	35987	Seq. ID	OJ990528_27.9B05.C20
Gene No.	74181	Strand	+
Start	472	End	674
Name	OJ990528_27.9B05.C20.o1.np	Method	AAT/NAP
Start	472	End	674
GI	2498930	Score	44
Exons	472..674		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	35988	Seq. ID	OJ990428_23.9B05.C2

Gene No.	74182	Strand	+
Start	1	End	4851
Name	OJ990428_23.9B05.C2.o1.np	Method	AAT/NAP
Start	1	End	1353
GI	2281105	Score	49
Exons	1..24, 1052..1232, 1259..1353		
GI Descrip.	(AC002333) unknown protein [Arabidopsis thaliana]		

Seq. No.	35988	Seq. ID	OJ990428_23.9B05.C2
Gene No.	74182	Strand	+
Start	1	End	4851
Name	OJ990428_23.9B05.C2.o1.gs	Method	GENSCAN
Start	1135	End	4851
GI	none	Score	.56
Exons	1135..1348, 1378..1558, 2768..2857, 4439..4851		

Seq. No.	35988	Seq. ID	OJ990428_23.9B05.C2
Gene No.	74182	Strand	+
Start	1	End	4851
Name	OJ990428_23.9B05.C2.o2.tm	Method	TBLASTX:Maize
Start	1369	End	1590
GI	none	Score	226
Exons	1369..1590, 1371..1589, 1378..1590		

Seq. No.	35988	Seq. ID	OJ990428_23.9B05.C2
Gene No.	74182	Strand	+
Start	1	End	4851
Name	OJ990428_23.9B05.C2.o2.tw	Method	TBLASTX:Wheat
Start	1375	End	1734
GI	none	Score	178
Exons	1375..1545, 1389..1532, 1627..1734		

Seq. No.	35988	Seq. ID	OJ990428_23.9B05.C2
Gene No.	74182	Strand	+
Start	1	End	4851
Name	OJ990428_23.9B05.C2.o1.tm	Method	TBLASTX:Maize
Start	1632	End	2103
GI	none	Score	314
Exons	1632..1982, 1633..2004, 2011..2103, 2022..2102		

Seq. No.	35988	Seq. ID	OJ990428_23.9B05.C2
Gene No.	74182	Strand	+
Start	1	End	4851
Name	OJ990428_23.9B05.C2.o1.tw	Method	TBLASTX:Wheat
Start	1834	End	2198
GI	none	Score	328
Exons	1834..2196, 1882..2196, 2028..2198		

Seq. No.	35989	Seq. ID	OJ990428_23.9B05.C3
Gene No.	74183	Strand	+
Start	1462	End	1575
Name	OJ990428_23.9B05.C3.o1.gs	Method	GENSCAN
Start	1462	End	1575
GI	none	Score	.51
Exons	1462..1575		

Seq. No.	35990	Seq. ID	OJ990428_23.9B05.C4

Gene No.	74184	Strand	-
Start	1	End	632
Name	OJ990428_23.9B05.C4.o1.np	Method	AAT/NAP
Start	1	End	632
GI	2498930	Score	742
Exons	1..404, 572..632		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	35991	Seq. ID	OJ990428_23.9B05.C5
Gene No.	74185	Strand	-
Start	207	End	317
Name	OJ990428_23.9B05.C5.o1.gs	Method	GENSCAN
Start	207	End	317
GI	none	Score	.47
Exons	207..317		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74186	Strand	+
Start	5518	End	6875
Name	OJ990428_23.9B05.C6.o2.gs	Method	GENSCAN
Start	5518	End	6875
GI	none	Score	.61
Exons	5518..5532, 6211..6441, 6738..6875		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74187	Strand	+
Start	11658	End	13418
Name	OJ990428_23.9B05.C6.o4.gs	Method	GENSCAN
Start	11658	End	13418
GI	none	Score	.69
Exons	11658..11663, 12270..12401, 13278..13418		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74188	Strand	+
Start	14355	End	16299
Name	OJ990428_23.9B05.C6.o5.gs	Method	GENSCAN
Start	14355	End	16194
GI	none	Score	.88
Exons	14355..14474, 14955..15018, 15482..16194		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74188	Strand	+
Start	14355	End	16299
Name	OJ990428_23.9B05.C6.o4.np	Method	AAT/NAP
Start	14368	End	14492
GI	2760323	Score	110
Exons	14368..14492		
GI Descrip.	(AC002130) F1N21.8 [Arabidopsis thaliana]		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74188	Strand	+
Start	14355	End	16299
Name	OJ990428_23.9B05.C6.o5.gp	Method	AAT/GAP
Start	14888	End	16299
GI	6573148	Score	1100
Exons	14888..14946, 15585..16299		

GI Descrip.	4388731/gb\|AAD19769\| 1.0e-34 (AC006413) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74189	Strand	-
Start	1198	End	5272
Name	OJ990428_23.9B05.C6.o1.np	Method	AAT/NAP
Start	1198	End	5272
GI	4455294	Score	1368
Exons	1198..3514, 5240..5272		
GI Descrip.	(AL035528) putative protein [Arabidopsis thaliana]		
Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74189	Strand	-
Start	1198	End	5272
Name	OJ990428_23.9B05.C6.o2.np	Method	AAT/NAP
Start	1393	End	4033
GI	6729487	Score	1000
Exons	1393..1451, 1488..3483, 3784..4033		
GI Descrip.	(AL132966) putative protein [Arabidopsis thaliana]		
Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74190	Strand	-
Start	8441	End	10573
Name	OJ990428_23.9B05.C6.o2.gp	Method	AAT/GAP
Start	8239	End	8586
GI	none	Score	668
Exons	8239..8586		
Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74190	Strand	-
Start	8441	End	10573
Name	OJ990428_23.9B05.C6.o3.np	Method	AAT/NAP
Start	8438	End	10369
GI	3876095	Score	1188
Exons	8438..10176, 10205..10369		
GI Descrip.	(Z75537) Similarity to Yeast ATP-dependent transporter (SW:YEM6_YEAST); cDNA EST EMBL:C09155 comes from this gene; cDNA EST yk259a9.3 comes from this gene; cDNA EST yk259a9.5 comes from this gene; cDNA EST yk453c2.3 comes fro...		
Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74190	Strand	-
Start	8441	End	10573
Name	OJ990428_23.9B05.C6.o3.gs	Method	GENSCAN
Start	8441	End	10573
GI	none	Score	.99
Exons	8441..10573		
Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74191	Strand	-
Start	13485	End	13654
Name	OJ990428_23.9B05.C6.o3.gp	Method	AAT/GAP
Start	13485	End	13654
GI	2280831	Score	226
Exons	13485..13654		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74192	Strand	-
Start	16412	End	17659
Name	OJ990428_23.9B05.C6.o3.ts	Method	TBLASTX:Soybean
Start	1189	End	1413
GI	none	Score	154
Exons	1189..1413, 1196..1402		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74192	Strand	-
Start	16412	End	17659
Name	OJ990428_23.9B05.C6.o2.tc	Method	TBLASTX:Cress
Start	1192	End	1728
GI	none	Score	68
Exons	1192..1728, 1195..1344, 1196..1699		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74192	Strand	-
Start	16412	End	17659
Name	OJ990428_23.9B05.C6.o3.tm	Method	TBLASTX:Maize
Start	1192	End	1449
GI	none	Score	150
Exons	1192..1449, 1193..1402		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74192	Strand	-
Start	16412	End	17659
Name	OJ990428_23.9B05.C6.o2.ts	Method	TBLASTX:Soybean
Start	1423	End	1956
GI	none	Score	87
Exons	1423..1956, 1424..1552, 1583..1948		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74192	Strand	-
Start	16412	End	17659
Name	OJ990428_23.9B05.C6.o2.tm	Method	TBLASTX:Maize
Start	1450	End	3427
GI	none	Score	73
Exons	1450..2313, 1583..1696, 1778..2014, 2002..2328, 2038..2199, 2087..2197, 2090..2194, 2227..2631, 2245..2430, 2275..2298, 2276..2311, 2296..2640, 2341..2508, 2341..2694, 2533..2802, 2599..2928, 2641..2868, 2704..2847, 2923..3171, 3281..3424, 3284..3427, 3287..3412		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74192	Strand	-
Start	16412	End	17659
Name	OJ990428_23.9B05.C6.o4.tc	Method	TBLASTX:Cress
Start	1729	End	3228
GI	none	Score	113
Exons	1729..1851, 1855..2415, 2236..2712, 2551..3018, 2854..3228		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74192	Strand	-
Start	16412	End	17659
Name	OJ990428_23.9B05.C6.o2.tw	Method	TBLASTX:Wheat
Start	1894	End	3228

GI	none	Score	62
Exons	1894..2373, 1895..2029, 2281..2670, 2554..2811, 2851..2970, 2893..3228		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74192	Strand	-
Start	16412	End	17659
Name	OJ990428_23.9B05.C6.o4.ts	Method	TBLASTX:Soybean
Start	1957	End	3424
GI	none	Score	91
Exons	1957..2316, 2087..2203, 2260..2637, 2288..2431, 2552..2638, 2566..2943, 2590..2856, 2645..2941, 2893..3240, 3287..3424		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74192	Strand	-
Start	16412	End	17659
Name	OJ990428_23.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	8449	End	10057
GI	none	Score	173
Exons	8449..8709, 8495..9100, 8517..9068, 8558..8767, 9101..9331, 9165..9197, 9239..9532, 9300..9527, 9401..9529, 9467..9511, 9509..9802, 9510..9566, 9536..9751, 9560..9664, 9947..10057		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74192	Strand	-
Start	16412	End	17659
Name	OJ990428_23.9B05.C6.o3.tw	Method	TBLASTX:Wheat
Start	8542	End	9706
GI	none	Score	87
Exons	8542..8688, 8543..8698, 8558..8833, 8577..8804, 9464..9532, 9539..9643, 9560..9706		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74192	Strand	-
Start	16412	End	17659
Name	OJ990428_23.9B05.C6.o1.tc	Method	TBLASTX:Cress
Start	8564	End	10108
GI	none	Score	63
Exons	8564..8752, 9410..9523, 9417..9512, 9539..9793, 9539..9808, 9905..10108, 9942..10028		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74192	Strand	-
Start	16412	End	17659
Name	OJ990428_23.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	8586	End	10087
GI	none	Score	722
Exons	8586..9197, 8588..9376, 9300..9377, 9560..9664, 9947..10087		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74192	Strand	-
Start	16412	End	17659
Name	OJ990428_23.9B05.C6.o1.tw	Method	TBLASTX:Wheat
Start	8963	End	10057
GI	none	Score	335
Exons	8963..9238, 8963..9412, 8968..9282, 9300..9413, 9962..10057, 9966..10028		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74192	Strand	-
Start	16412	End	17659
Name	OJ990428_23.9B05.C6.o3.tc	Method	TBLASTX:Cress
Start	9020	End	9410
GI	none	Score	74
Exons	9020..9223, 9021..9068, 9026..9196, 9233..9409, 9300..9410		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74192	Strand	-
Start	16412	End	17659
Name	OJ990428_23.9B05.C6.o4.tm	Method	TBLASTX:Maize
Start	9665	End	9946
GI	none	Score	214
Exons	9665..9946, 9665..9814, 9887..9946		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74192	Strand	-
Start	16412	End	17659
Name	OJ990428_23.9B05.C6.o5.ts	Method	TBLASTX:Soybean
Start	9887	End	10513
GI	none	Score	54
Exons	9887..9946, 9897..9947, 10058..10114, 10059..10115, 10166..10288, 10361..10408, 10481..10513		

Seq. No.	35992	Seq. ID	OJ990428_23.9B05.C6
Gene No.	74192	Strand	-
Start	16412	End	17659
Name	OJ990428_23.9B05.C6.o6.gs	Method	GENSCAN
Start	16412	End	17659
GI	none	Score	.68
Exons	16412..16528, 17600..17659		

Seq. No.	35993	Seq. ID	OJ990428_23.9B05.C7
Gene No.	74193	Strand	+
Start	11425	End	11535
Name	OJ990428_23.9B05.C7.o2.gp	Method	AAT/GAP
Start	11425	End	11535
GI	uC-osflcyp088b12b1	Score	150
Exons	11425..11535		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	35993	Seq. ID	OJ990428_23.9B05.C7
Gene No.	74194	Strand	-
Start	549	End	11421
Name	OJ990428_23.9B05.C7.o1.gs	Method	GENSCAN
Start	549	End	9758
GI	none	Score	.69
Exons	549..585, 768..991, 1380..1633, 1697..1817, 1824..2139, 2197..2219, 2334..2435, 2482..2589, 2682..2943, 3048..3248, 3263..3345, 3426..3544, 3617..3839, 3925..4291, 4404..4520, 4738..4766, 4925..7312, 7577..7644, 7903..7976, 8632..8699, 9089..9352, 9359..9560, 9580..9758		

Seq. No.	35993	Seq. ID	OJ990428_23.9B05.C7

Gene No.	74194	Strand	-
Start	549	End	11421
Name	OJ990428_23.9B05.C7.o1.np	Method	AAT/NAP
Start	1683	End	7180
GI	5441880	Score	2714
Exons	1683..1893, 2197..2443, 2682..2943, 3048..3345, 3925..4258, 4367..4506, 5108..5434, 5693..5724, 6169..7180		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	35993	Seq. ID	OJ990428_23.9B05.C7
Gene No.	74194	Strand	-
Start	549	End	11421
Name	OJ990428_23.9B05.C7.o1.gp	Method	AAT/GAP
Start	2004	End	4252
GI	LIB3433-020-P1-K1-A6	Score	745
Exons	2004..2389, 4210..4252		
GI Descrip.	'5670155/gb\|AF161269.1\|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	35993	Seq. ID	OJ990428_23.9B05.C7
Gene No.	74194	Strand	-
Start	549	End	11421
Name	OJ990428_23.9B05.C7.o2.np	Method	AAT/NAP
Start	8382	End	11421
GI	6815109	Score	286
Exons	8382..8559, 8603..9073, 9248..9631, 9658..9805, 9927..9995, 11393..11421		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	35993	Seq. ID	OJ990428_23.9B05.C7
Gene No.	74195	Strand	-
Start	12166	End	18097
Name	OJ990428_23.9B05.C7.o2.tw	Method	TBLASTX:Wheat
Start	4018	End	4200
GI	none	Score	108
Exons	4018..4137, 4019..4138, 4136..4186, 4147..4200		

Seq. No.	35993	Seq. ID	OJ990428_23.9B05.C7
Gene No.	74195	Strand	-
Start	12166	End	18097
Name	OJ990428_23.9B05.C7.o1.tw	Method	TBLASTX:Wheat
Start	5942	End	6319
GI	none	Score	67
Exons	5942..6115, 5953..6108, 6048..6116, 6140..6316, 6165..6317, 6170..6319		

Seq. No.	35993	Seq. ID	OJ990428_23.9B05.C7
Gene No.	74195	Strand	-
Start	12166	End	18097
Name	OJ990428_23.9B05.C7.o1.tm	Method	TBLASTX:Maize
Start	6017	End	6613
GI	none	Score	183
Exons	6017..6088, 6135..6434, 6146..6613, 6486..6611		

Seq. No.	35993	Seq. ID	OJ990428_23.9B05.C7

Gene No.	74195	Strand	-
Start	12166	End	18097
Name	OJ990428_23.9B05.C7.o3.np	Method	AAT/NAP
Start	12166	End	18097
GI	5091513	Score	1000
Exons	12166..12382, 12535..12649, 13482..14026, 14771..15934, 18069..18097		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	35994	Seq. ID	OJ990428_23.9B05.C8
Gene No.	74196	Strand	+
Start	1	End	101
Name	OJ990428_23.9B05.C8.o1.gp	Method	AAT/GAP
Start	1	End	101
GI	LIB3477-003-P1-K1-E9	Score	185
Exons	1..101		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	35994	Seq. ID	OJ990428_23.9B05.C8
Gene No.	74197	Strand	+
Start	1127	End	1278
Name	OJ990428_23.9B05.C8.o1.gs	Method	GENSCAN
Start	1127	End	1278
GI	none	Score	.63
Exons	1127..1206, 1248..1278		

Seq. No.	35994	Seq. ID	OJ990428_23.9B05.C8
Gene No.	74198	Strand	-
Start	2234	End	4436
Name	OJ990428_23.9B05.C8.o2.gs	Method	GENSCAN
Start	2234	End	4436
GI	none	Score	.63
Exons	2234..2355, 2503..2775, 4105..4178, 4372..4436		

Seq. No.	35994	Seq. ID	OJ990428_23.9B05.C8
Gene No.	74199	Strand	-
Start	8943	End	9089
Name	OJ990428_23.9B05.C8.o4.gs	Method	GENSCAN
Start	8943	End	9089
GI	none	Score	.75
Exons	8943..9089		

Seq. No.	35995	Seq. ID	OJ990428_23.9B05.C10
Gene No.	74200	Strand	+
Start	442	End	3875
Name	OJ990428_23.9B05.C10.o1.gs	Method	GENSCAN
Start	442	End	3875
GI	none	Score	.6
Exons	442..550, 746..805, 940..1319, 1344..1842, 1931..1963, 2024..2916, 3011..3262, 3321..3875		

Seq. No.	35995	Seq. ID	OJ990428_23.9B05.C10
Gene No.	74201	Strand	+
Start	5525	End	15058
Name	OJ990428_23.9B05.C10.o2.gs	Method	GENSCAN

Start	5525	End	10239
GI	none	Score	.6
Exons	5525..6568, 6899..7066, 8210..8320, 8406..8507, 9046..9076, 9386..9573, 9578..9678, 9752..9813, 10178..10239		

Seq. No.	35995	Seq. ID	OJ990428_23.9B05.C10
Gene No.	74201	Strand	+
Start	5525	End	15058
Name	OJ990428_23.9B05.C10.o1.np	Method	AAT/NAP
Start	6896	End	15058
GI	3645899	Score	1249
Exons	6896..8689, 14640..15058		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	35995	Seq. ID	OJ990428_23.9B05.C10
Gene No.	74201	Strand	+
Start	5525	End	15058
Name	OJ990428_23.9B05.C10.o1.gp	Method	AAT/GAP
Start	10409	End	10841
GI	2428185	Score	676
Exons	10409..10841		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	35995	Seq. ID	OJ990428_23.9B05.C10
Gene No.	74201	Strand	+
Start	5525	End	15058
Name	OJ990428_23.9B05.C10.o2.gp	Method	AAT/GAP
Start	11387	End	11559
GI	LIB3433-026-P1-K1-C1	Score	250
Exons	11387..11559		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	35995	Seq. ID	OJ990428_23.9B05.C10
Gene No.	74202	Strand	-
Start	12944	End	15058
Name	OJ990428_23.9B05.C10.o2.tw	Method	TBLASTX:Wheat
Start	7323	End	7877
GI	none	Score	128
Exons	7323..7553, 7593..7634, 7692..7877, 7701..7871, 7706..7876		

Seq. No.	35995	Seq. ID	OJ990428_23.9B05.C10
Gene No.	74202	Strand	-
Start	12944	End	15058
Name	OJ990428_23.9B05.C10.o1.tm	Method	TBLASTX:Maize
Start	7548	End	8036
GI	none	Score	84
Exons	7548..7613, 7553..7615, 7653..7931, 7676..8035, 7692..8036		

Seq. No.	35995	Seq. ID	OJ990428_23.9B05.C10
Gene No.	74202	Strand	-
Start	12944	End	15058
Name	OJ990428_23.9B05.C10.o2.ts	Method	TBLASTX:Soybean
Start	7722	End	8171
GI	none	Score	233
Exons	7722..8033, 7739..8026, 8055..8171		

Seq. No.	35995	Seq. ID	OJ990428_23.9B05.C10
Gene No.	74202	Strand	-
Start	12944	End	15058
Name	OJ990428_23.9B05.C10.o1.ts	Method	TBLASTX:Soybean
Start	8480	End	15022
GI	5509260	Score	40
Exons	8480..8530, 8480..8530, 8552..8692, 8569..8691, 14643..14759, 14660..14743, 14739..15017, 14741..15022		
GI Descrip.	-		

Seq. No.	35995	Seq. ID	OJ990428_23.9B05.C10
Gene No.	74202	Strand	-
Start	12944	End	15058
Name	OJ990428_23.9B05.C10.o1.tw	Method	TBLASTX:Wheat
Start	8609	End	15008
GI	none	Score	80
Exons	8609..8710, 8609..8692, 14652..14678, 14679..14744, 14687..14743, 14739..15008, 14741..14998		

Seq. No.	35995	Seq. ID	OJ990428_23.9B05.C10
Gene No.	74202	Strand	-
Start	12944	End	15058
Name	OJ990428_23.9B05.C10.o3.gp	Method	AAT/GAP
Start	11585	End	11859
GI	61605_1.R1084	Score	468
Exons	11585..11859		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	35995	Seq. ID	OJ990428_23.9B05.C10
Gene No.	74202	Strand	-
Start	12944	End	15058
Name	OJ990428_23.9B05.C10.o4.gp	Method	AAT/GAP
Start	12777	End	13513
GI	101153_1.R1084	Score	667
Exons	12777..13006, 13324..13513		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	35995	Seq. ID	OJ990428_23.9B05.C10
Gene No.	74202	Strand	-
Start	12944	End	15058
Name	OJ990428_23.9B05.C10.o3.gs	Method	GENSCAN
Start	12944	End	13953
GI	none	Score	.63.
Exons	12944..13006, 13324..13462, 13468..13566, 13872..13953		

Seq. No.	35995	Seq. ID	OJ990428_23.9B05.C10
Gene No.	74202	Strand	-
Start	12944	End	15058
Name	OJ990428_23.9B05.C10.o2.tm	Method	TBLASTX:Maize
Start	14703	End	15058
GI	none	Score	50
Exons	14703..14744, 14741..14860, 14741..15058, 14742..15056		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11

Gene No.	74203	Strand	+
Start	1	End	905
Name	OJ990428_23.9B05.C11.o1.np	Method	AAT/NAP
Start	1	End	905
GI	6630685	Score	956
Exons	1..905		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74204	Strand	+
Start	2840	End	4393
Name	OJ990428_23.9B05.C11.o2.np	Method	AAT/NAP
Start	2840	End	4393
GI	6539588	Score	124
Exons	2840..3104, 4347..4393		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74205	Strand	+
Start	10612	End	12365
Name	OJ990428_23.9B05.C11.o5.np	Method	AAT/NAP
Start	10612	End	12365
GI	6907087	Score	822
Exons	10612..11108, 11147..11722, 12264..12365		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74206	Strand	+
Start	13119	End	18061
Name	OJ990428_23.9B05.C11.o1.gp	Method	AAT/GAP
Start	12830	End	13211
GI	uC-osflcyp033a04b1	Score	623
Exons	12830..13211		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74206	Strand	+
Start	13119	End	18061
Name	OJ990428_23.9B05.C11.o3.gs	Method	GENSCAN
Start	13119	End	18061
GI	none	Score	.71
Exons	13119..13163, 14389..14491, 17037..17134, 17381..17464, 17522..18061		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74206	Strand	+
Start	13119	End	18061
Name	OJ990428_23.9B05.C11.o2.gp	Method	AAT/GAP
Start	16989	End	17719
GI	4969338	Score	795
Exons	16989..17134, 17328..17464, 17567..17719		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11

Gene No.	74207	Strand	+
Start	23534	End	27837
Name	OJ990428_23.9B05.C11.o5.gs	Method	GENSCAN
Start	23534	End	27837
GI	none	Score	.53
Exons	23534..23806, 23854..24033, 24082..24089, 24434..24594, 26825..26964, 27061..27837		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74208	Strand	+
Start	30068	End	31551
Name	OJ990428_23.9B05.C11.o7.np	Method	AAT/NAP
Start	29891	End	31551
GI	6907086	Score	1213
Exons	29891..30657, 30718..30956, 31189..31551		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74208	Strand	+
Start	30068	End	31551
Name	OJ990428_23.9B05.C11.o6.gs	Method	GENSCAN
Start	30068	End	30632
GI	none	Score	.9
Exons	30068..30127, 30192..30632		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74209	Strand	-
Start	4208	End	11981
Name	OJ990428_23.9B05.C11.o3.np	Method	AAT/NAP
Start	4128	End	6894
GI	4206306	Score	1182
Exons	4128..4168, 4897..6264, 6468..6894		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74209	Strand	-
Start	4208	End	11981
Name	OJ990428_23.9B05.C11.o2.gs	Method	GENSCAN
Start	4208	End	11981
GI	none	Score	.58
Exons	4208..5017, 5078..5464, 5881..6041, 6046..6308, 6365..7155, 7180..7775, 7884..8094, 8229..8459, 8995..9103, 9138..9259, 9294..9467, 9472..9652, 10799..11193, 11330..11464, 11535..11981		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74210	Strand	-
Start	12758	End	12981
Name	OJ990428_23.9B05.C11.o6.np	Method	AAT/NAP
Start	12758	End	12981
GI	4680186	Score	247
Exons	12758..12981		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74211	Strand	-
Start	21993	End	22579
Name	OJ990428_23.9B05.C11.o3.gp	Method	AAT/GAP

Start	21993	End	22579
GI	4879016	Score	837
Exons	21993..22411, 22433..22579		
GI Descrip.	6041757/gb\|AC011806.1\|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74212	Strand	-
Start	31183	End	32302
Name	OJ990428_23.9B05.C11.o3.tw	Method	TBLASTX:Wheat
Start	55	End	486
GI	none	Score	103
Exons	55..204, 229..486		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74212	Strand	-
Start	31183	End	32302
Name	OJ990428_23.9B05.C11.o1.tm	Method	TBLASTX:Maize
Start	232	End	887
GI	none	Score	429
Exons	232..615, 240..608, 608..877, 615..887		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74212	Strand	-
Start	31183	End	32302
Name	OJ990428_23.9B05.C11.o1.ts	Method	TBLASTX:Soybean
Start	250	End	914
GI	none	Score	267
Exons	250..615, 657..914		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74212	Strand	-
Start	31183	End	32302
Name	OJ990428_23.9B05.C11.o5.tw	Method	TBLASTX:Wheat
Start	523	End	842
GI	none	Score	77
Exons	523..609, 651..842, 666..842		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74212	Strand	-
Start	31183	End	32302
Name	OJ990428_23.9B05.C11.o5.tm	Method	TBLASTX:Maize
Start	4229	End	4489
GI	none	Score	88
Exons	4229..4489, 4254..4388		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74212	Strand	-
Start	31183	End	32302
Name	OJ990428_23.9B05.C11.o4.tm	Method	TBLASTX:Maize
Start	4496	End	4738
GI	none	Score	196
Exons	4496..4738		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74212	Strand	-

Start	31183	End	32302
Name	OJ990428_23.9B05.C11.o2.ts	Method	TBLASTX:Soybean
Start	4919	End	5260
GI	none	Score	89
Exons	4919..5260, 5085..5210		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74212	Strand	-
Start	31183	End	32302
Name	OJ990428_23.9B05.C11.o2.tm	Method	TBLASTX:Maize
Start	4979	End	5362
GI	none	Score	222
Exons	4979..5362, 4992..5339		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74212	Strand	-
Start	31183	End	32302
Name	OJ990428_23.9B05.C11.o1.tw	Method	TBLASTX:Wheat
Start	5102	End	5519
GI	none	Score	141
Exons	5102..5509, 5103..5318, 5288..5509, 5352..5519		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74212	Strand	-
Start	31183	End	32302
Name	OJ990428_23.9B05.C11.o3.tm	Method	TBLASTX:Maize
Start	5390	End	5760
GI	none	Score	197
Exons	5390..5665, 5391..5666, 5665..5760		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74212	Strand	-
Start	31183	End	32302
Name	OJ990428_23.9B05.C11.o2.tw	Method	TBLASTX:Wheat
Start	5520	End	5889
GI	none	Score	130
Exons	5520..5666, 5522..5668, 5522..5659, 5533..5667, 5668..5889, 5669..5863		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74212	Strand	-
Start	31183	End	32302
Name	OJ990428_23.9B05.C11.o6.tw	Method	TBLASTX:Wheat
Start	6086	End	6648
GI	none	Score	81
Exons	6086..6307, 6087..6308, 6319..6510, 6520..6648		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74212	Strand	-
Start	31183	End	32302
Name	OJ990428_23.9B05.C11.o4.tw	Method	TBLASTX:Wheat
Start	7495	End	23551
GI	none	Score	99
Exons	7495..7701, 23228..23344, 23360..23551		

Seq. No.	35996	Seq. ID	OJ990428_23.9B05.C11
Gene No.	74212	Strand	-

Start	31183	End	32302
Name	OJ990428_23.9B05.C11.o7.gs	Method	GENSCAN
Start	31183	End	32302
GI	none	Score	.52
Exons	31183..31413, 31923..32118, 32190..32302		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74213	Strand	+
Start	518	End	1033
Name	OJ990428_23.9B05.C12.o1.gs	Method	GENSCAN
Start	518	End	1033
GI	none	Score	.65
Exons	518..1033		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74214	Strand	+
Start	5395	End	10772
Name	OJ990428_23.9B05.C12.o3.gs	Method	GENSCAN
Start	5395	End	10772
GI	none	Score	.76
Exons	5395..5514, 5562..5675, 5807..6730, 6764..7303, 7402..7539, 7619..8092, 8564..8800, 9745..10105, 10666..10772		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74214	Strand	+
Start	5395	End	10772
Name	OJ990428_23.9B05.C12.o1.gp	Method	AAT/GAP
Start	10306	End	10615
GI	72524_1.R1084	Score	399
Exons	10306..10615		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74215	Strand	+
Start	22057	End	24849
Name	OJ990428_23.9B05.C12.o6.gs	Method	GENSCAN
Start	22057	End	24849
GI	none	Score	.42
Exons	22057..22223, 22350..22814, 24750..24849		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74216	Strand	+
Start	30020	End	33226
Name	OJ990428_23.9B05.C12.o3.np	Method	AAT/NAP
Start	30020	End	33226
GI	6691716	Score	1736
Exons	30020..30908, 31106..31283, 31360..31646, 31706..31900, 31975..32076, 33197..33226		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74216	Strand	+
Start	30020	End	33226
Name	OJ990428_23.9B05.C12.o8.gs	Method	GENSCAN

Start	30020	End	32096
GI	none	Score	.73
Exons	30020..30654, 30703..30904, 30991..31283, 31360..31646, 31701..31900, 31989..32096		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74217	Strand	-
Start	2727	End	4790
Name	OJ990428_23.9B05.C12.o2.gs	Method	GENSCAN
Start	2727	End	4790
GI	none	Score	.54
Exons	2727..2749, 2863..2940, 4336..4367, 4705..4790		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74218	Strand	-
Start	9157	End	20204
Name	OJ990428_23.9B05.C12.o1.np	Method	AAT/NAP
Start	9157	End	20204
GI	4378066	Score	2458
Exons	9157..10166, 15959..19897, 19978..20204		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi\|4680208\|gb\|AAD27571.1\|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74218	Strand	-
Start	9157	End	20204
Name	OJ990428_23.9B05.C12.o4.gs	Method	GENSCAN
Start	12410	End	12565
GI	none	Score	.91
Exons	12410..12565		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74218	Strand	-
Start	9157	End	20204
Name	OJ990428_23.9B05.C12.o3.gp	Method	AAT/GAP
Start	15656	End	15959
GI	72524_1.R1084	Score	410
Exons	15656..15959		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74219	Strand	-
Start	25592	End	28985
Name	OJ990428_23.9B05.C12.o7.gs	Method	GENSCAN
Start	25592	End	28985
GI	none	Score	.71
Exons	25592..26302, 26524..27112, 27562..27697, 28291..28574, 28957..28985		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74219	Strand	-
Start	25592	End	28985
Name	OJ990428_23.9B05.C12.o2.np	Method	AAT/NAP
Start	28183	End	28574
GI	6630685	Score	528

Exons	28183..28574		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74219	Strand	-
Start	25592	End	28985
Name	OJ990428_23.9B05.C12.o4.gp	Method	AAT/GAP
Start	28572	End	28985
GI	5816562	Score	656
Exons	28572..28985		
GI Descrip.	6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74220	Strand	-
Start	32734	End	33079
Name	OJ990428_23.9B05.C12.o7.tw	Method	TBLASTX:Wheat
Start	5565	End	30430
GI	none	Score	77
Exons	5565..5738, 30140..30430		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74220	Strand	-
Start	32734	End	33079
Name	OJ990428_23.9B05.C12.o6.tm	Method	TBLASTX:Maize
Start	9208	End	9468
GI	none	Score	96
Exons	9208..9468, 9233..9406		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74220	Strand	-
Start	32734	End	33079
Name	OJ990428_23.9B05.C12.o5.tw	Method	TBLASTX:Wheat
Start	9646	End	10023
GI	none	Score	74
Exons	9646..9840, 9832..10023, 9844..10002		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74220	Strand	-
Start	32734	End	33079
Name	OJ990428_23.9B05.C12.o3.ts	Method	TBLASTX:Soybean
Start	9733	End	10107
GI	none	Score	93
Exons	9733..9957, 9964..10107		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74220	Strand	-
Start	32734	End	33079
Name	OJ990428_23.9B05.C12.o2.tm	Method	TBLASTX:Maize
Start	9748	End	10111
GI	none	Score	91
Exons	9748..9870, 9749..10111, 9757..10110		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74220	Strand	-
Start	32734	End	33079

Name	OJ990428_23.9B05.C12.o3.tw	Method	TBLASTX:Wheat
Start	16370	End	16802
GI	none	Score	185
Exons	16370..16801, 16377..16802		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74220	Strand	-
Start	32734	End	33079
Name	OJ990428_23.9B05.C12.o2.ts	Method	TBLASTX:Soybean
Start	17034	End	17406
GI	none	Score	67
Exons	17034..17144, 17069..17287, 17287..17406, 17294..17389		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74220	Strand	-
Start	32734	End	33079
Name	OJ990428_23.9B05.C12.o2.tw	Method	TBLASTX:Wheat
Start	17078	End	17473
GI	none	Score	69
Exons	17078..17287, 17184..17288, 17287..17472, 17294..17473		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74220	Strand	-
Start	32734	End	33079
Name	OJ990428_23.9B05.C12.o4.tm	Method	TBLASTX:Maize
Start	17171	End	17416
GI	none	Score	134
Exons	17171..17287, 17276..17416, 17287..17415		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74220	Strand	-
Start	32734	End	33079
Name	OJ990428_23.9B05.C12.o3.tm	Method	TBLASTX:Maize
Start	17418	End	17753
GI	none	Score	56
Exons	17418..17555, 17469..17561, 17547..17681, 17555..17752, 17556..17753		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74220	Strand	-
Start	32734	End	33079
Name	OJ990428_23.9B05.C12.o1.tw	Method	TBLASTX:Wheat
Start	17475	End	17857
GI	none	Score	102
Exons	17475..17558, 17476..17562, 17553..17831, 17555..17857, 17564..17857		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74220	Strand	-
Start	32734	End	33079
Name	OJ990428_23.9B05.C12.o6.tw	Method	TBLASTX:Wheat
Start	18086	End	18445
GI	none	Score	109
Exons	18086..18307, 18087..18308, 18356..18445		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74220	Strand	-

Start	32734	End	33079
Name	OJ990428_23.9B05.C12.o4.tw	Method	TBLASTX:Wheat
Start	22162	End	22557
GI	none	Score	223
Exons	22162..22260, 22164..22262, 22165..22557		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74220	Strand	-
Start	32734	End	33079
Name	OJ990428_23.9B05.C12.o5.tm	Method	TBLASTX:Maize
Start	22363	End	22716
GI	none	Score	199
Exons	22363..22716, 22456..22701		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74220	Strand	-
Start	32734	End	33079
Name	OJ990428_23.9B05.C12.o1.tm	Method	TBLASTX:Maize
Start	28180	End	28581
GI	none	Score	79
Exons	28180..28293, 28186..28314, 28247..28333, 28302..28478, 28304..28474, 28310..28573, 28323..28571, 28399..28581		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74220	Strand	-
Start	32734	End	33079
Name	OJ990428_23.9B05.C12.o1.ts	Method	TBLASTX:Soybean
Start	28325	End	28567
GI	none	Score	119
Exons	28325..28414, 28421..28567		

Seq. No.	35997	Seq. ID	OJ990428_23.9B05.C12
Gene No.	74220	Strand	-
Start	32734	End	33079
Name	OJ990428_23.9B05.C12.o9.gs	Method	GENSCAN
Start	32734	End	33079
GI	none	Score	.86
Exons	32734..32745, 33056..33079		

Seq. No.	35998	Seq. ID	OJ990428_23.9B05.C13
Gene No.	74221	Strand	+
Start	1	End	106
Name	OJ990428_23.9B05.C13.o1.np	Method	AAT/NAP
Start	1	End	106
GI	5257279	Score	116
Exons	1..106		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	35998	Seq. ID	OJ990428_23.9B05.C13
Gene No.	74222	Strand	+
Start	153	End	4473
Name	OJ990428_23.9B05.C13.o1.gs	Method	GENSCAN
Start	153	End	4473
GI	none	Score	.65
Exons	153..327, 2775..2935, 3374..3400, 3463..3552, 3702..3777, 4022..4354, 4397..4473		

Seq. No.	35998	Seq. ID	OJ990428_23.9B05.C13
Gene No.	74222	Strand	+
Start	153	End	4473
Name	OJ990428_23.9B05.C13.o2.np	Method	AAT/NAP
Start	972	End	4461
GI	6691716	Score	571
Exons	972..1041, 3827..3948, 4022..4461		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	35998	Seq. ID	OJ990428_23.9B05.C13
Gene No.	74223	Strand	-
Start	4806	End	6612
Name	OJ990428_23.9B05.C13.o3.np	Method	AAT/NAP
Start	4806	End	6612
GI	5902445	Score	2786
Exons	4806..6612		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	35998	Seq. ID	OJ990428_23.9B05.C13
Gene No.	74223	Strand	-
Start	4806	End	6612
Name	OJ990428_23.9B05.C13.o2.tw	Method	TBLASTX:Wheat
Start	4818	End	5429
GI	none	Score	86
Exons	4818..4946, 4938..5117, 5167..5268, 5169..5429, 5320..5409		

Seq. No.	35998	Seq. ID	OJ990428_23.9B05.C13
Gene No.	74223	Strand	-
Start	4806	End	6612
Name	OJ990428_23.9B05.C13.o2.tm	Method	TBLASTX:Maize
Start	4854	End	5117
GI	none	Score	102
Exons	4854..4955, 4855..4956, 4935..5117, 4936..5061		

Seq. No.	35998	Seq. ID	OJ990428_23.9B05.C13
Gene No.	74223	Strand	-
Start	4806	End	6612
Name	OJ990428_23.9B05.C13.o3.tm	Method	TBLASTX:Maize
Start	5199	End	5462
GI	none	Score	52
Exons	5199..5285, 5295..5378, 5308..5382, 5373..5462, 5374..5460		

Seq. No.	35998	Seq. ID	OJ990428_23.9B05.C13
Gene No.	74223	Strand	-
Start	4806	End	6612
Name	OJ990428_23.9B05.C13.o1.tw	Method	TBLASTX:Wheat
Start	5541	End	5930
GI	none	Score	54
Exons	5541..5588, 5543..5734, 5543..5929, 5619..5930		

Seq. No.	35998	Seq. ID	OJ990428_23.9B05.C13
Gene No.	74223	Strand	-
Start	4806	End	6612
Name	OJ990428_23.9B05.C13.o1.tm	Method	TBLASTX:Maize

Start	5573	End	5936
GI	none	Score	251
Exons	5573..5620, 5627..5935, 5628..5936		

Seq. No.	35998	Seq. ID	OJ990428_23.9B05.C13
Gene No.	74223	Strand	-
Start	4806	End	6612
Name	OJ990428_23.9B05.C13.o3.tw	Method	TBLASTX:Wheat
Start	6167	End	6574
GI	none	Score	176
Exons	6167..6574, 6312..6530		

Seq. No.	35998	Seq. ID	OJ990428_23.9B05.C13
Gene No.	74223	Strand	-
Start	4806	End	6612
Name	OJ990428_23.9B05.C13.o1.ts	Method	TBLASTX:Soybean
Start	6291	End	6539
GI	none	Score	125
Exons	6291..6539, 6293..6535		

Seq. No.	35998	Seq. ID	OJ990428_23.9B05.C13
Gene No.	74223	Strand	-
Start	4806	End	6612
Name	OJ990428_23.9B05.C13.o4.tm	Method	TBLASTX:Maize
Start	6344	End	6598
GI	none	Score	121
Exons	6344..6442, 6446..6598		

Seq. No.	35999	Seq. ID	OJ990428_23.9B05.C14
Gene No.	74224	Strand	+
Start	372	End	3389
Name	OJ990428_23.9B05.C14.o1.np	Method	AAT/NAP
Start	372	End	3389
GI	4680179	Score	538
Exons	372..1341, 1486..1622, 3360..3389		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35999	Seq. ID	OJ990428_23.9B05.C14
Gene No.	74225	Strand	-
Start	2865	End	3306
Name	OJ990428_23.9B05.C14.o1.tw	Method	TBLASTX:Wheat
Start	621	End	980
GI	none	Score	267
Exons	621..980, 623..916		

Seq. No.	35999	Seq. ID	OJ990428_23.9B05.C14
Gene No.	74225	Strand	-
Start	2865	End	3306
Name	OJ990428_23.9B05.C14.o1.tm	Method	TBLASTX:Maize
Start	873	End	1160
GI	none	Score	203
Exons	873..1160, 875..964		

Seq. No.	35999	Seq. ID	OJ990428_23.9B05.C14
Gene No.	74225	Strand	-
Start	2865	End	3306
Name	OJ990428_23.9B05.C14.o2.gs	Method	GENSCAN

Start	2865	End	3306
GI	none	Score	.67
Exons	2865..3094, 3205..3306		

Seq. No.	36000	Seq. ID	OJ990428_23.9B05.C16
Gene No.	74226	Strand	+
Start	173	End	631
Name	OJ990428_23.9B05.C16.o1.gs	Method	GENSCAN
Start	173	End	631
GI	none	Score	.6
Exons	173..631		

Seq. No.	36001	Seq. ID	OJ990528_25.9B19.C1
Gene No.	74227	Strand	+
Start	489	End	552
Name	OJ990528_25.9B19.C1.o1.np	Method	AAT/NAP
Start	489	End	552
GI	2498930	Score	50
Exons	489..552		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	36002	Seq. ID	OJ990528_25.9B19.C2
Gene No.	74229	Strand	+
Start	1	End	330
Name	OJ990528_25.9B19.C2.o1.np	Method	AAT/NAP
Start	1	End	330
GI	2498930	Score	512
Exons	1..330		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	36002	Seq. ID	OJ990528_25.9B19.C2
Gene No.	74230	Strand	-
Start	94	End	270
Name	OJ990528_25.9B19.C2.o1.gs	Method	GENSCAN
Start	94	End	270
GI	none	Score	.56
Exons	94..270		

Seq. No.	36003	Seq. ID	OJ990528_25.9B19.C3
Gene No.	74231	Strand	-
Start	185	End	299
Name	OJ990528_25.9B19.C3.o1.gs	Method	GENSCAN
Start	185	End	299
GI	none	Score	.93
Exons	185..299		

Seq. No.	36004	Seq. ID	OJ990528_25.9B19.C4
Gene No.	74232	Strand	+
Start	4967	End	8940
Name	OJ990528_25.9B19.C4.o2.gs	Method	GENSCAN
Start	4967	End	8940
GI	none	Score	.54
Exons	4967..5041, 5640..5969, 6441..6540, 7029..7090, 8283..8482, 8751..8940		

Seq. No.	36004	Seq. ID	OJ990528_25.9B19.C4
Gene No.	74233	Strand	-
Start	1	End	4216
Name	OJ990528_25.9B19.C4.o1.np	Method	AAT/NAP
Start	1	End	4162
GI	3688189	Score	1259
Exons	1..74, 338..432, 518..597, 783..1026, 1368..1609, 2224..2307, 2419..2593, 4017..4162		
GI Descrip.	(AL031804) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	36004	Seq. ID	OJ990528_25.9B19.C4
Gene No.	74233	Strand	-
Start	1	End	4216
Name	OJ990528_25.9B19.C4.o1.gp	Method	AAT/GAP
Start	341	End	1035
GI	uC-osflcyp058d10b1	Score	750
Exons	341..432, 518..597, 783..1035		
GI Descrip.	'3688189/emb\|CAA21217\| 4.0e-76 (AL031804) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	36004	Seq. ID	OJ990528_25.9B19.C4
Gene No.	74233	Strand	-
Start	1	End	4216
Name	OJ990528_25.9B19.C4.o1.gs	Method	GENSCAN
Start	348	End	4216
GI	none	Score	93
Exons	348..432, 518..597, 783..1026, 1368..1609, 2224..2307, 2419..2593, 3331..3456, 4017..4216		

Seq. No.	36004	Seq. ID	OJ990528_25.9B19.C4
Gene No.	74234	Strand	-
Start	10163	End	12096
Name	OJ990528_25.9B19.C4.o1.ts	Method	TBLASTX:Soybean
Start	338	End	4115
GI	none	Score	89
Exons	338..433, 345..437, 345..431, 347..433, 493..597, 509..598, 515..598, 516..599, 517..615, 778..837, 779..844, 783..848, 783..857, 864..1028, 864..1028, 875..1033, 1365..1610, 1367..1612, 1370..1612, 2203..2319, 2221..2310, 2243..2323, 2416..2595, 2417..2596, 2417..2596, 4016..4111, 4017..4115		

Seq. No.	36004	Seq. ID	OJ990528_25.9B19.C4
Gene No.	74234	Strand	-
Start	10163	End	12096
Name	OJ990528_25.9B19.C4.o1.tm	Method	TBLASTX:Maize
Start	345	End	4117
GI	none	Score	127
Exons	345..437, 345..431, 347..433, 493..597, 515..598, 515..601, 517..615, 779..1030, 783..1028, 1348..1608, 1365..1610, 1367..1612, 1370..1624, 2209..2319, 2221..2310, 2223..2318, 2391..2594, 2414..2596, 2415..2594, 2416..2595, 4011..4079, 4016..4111, 4017..4115, 4070..4117		

Seq. No.	36004	Seq. ID	OJ990528_25.9B19.C4
Gene No.	74234	Strand	-
Start	10163	End	12096
Name	OJ990528_25.9B19.C4.o2.tc	Method	TBLASTX:Cress

Start	345	End	848
GI	none	Score	77
Exons	345..431, 349..432, 496..597, 515..598, 515..601, 516..605, 517..615, 783..842, 786..848		

Seq. No.	36004	Seq. ID	OJ990528_25.9B19.C4
Gene No.	74234	Strand	-
Start	10163	End	12096
Name	OJ990528_25.9B19.C4.o1.tc	Method	TBLASTX:Cress
Start	1373	End	4115
GI	none	Score	94
Exons	1373..1504, 1373..1507, 1378..1506, 1508..1612, 1509..1610, 2221..2310, 2222..2308, 2224..2319, 2391..2570, 2409..2576, 2413..2577, 2414..2596, 2416..2595, 4016..4111, 4017..4115		

Seq. No.	36004	Seq. ID	OJ990528_25.9B19.C4
Gene No.	74234	Strand	-
Start	10163	End	12096
Name	OJ990528_25.9B19.C4.o1.tw	Method	TBLASTX:Wheat
Start	1499	End	2596
GI	none	Score	161
Exons	1499..1615, 1499..1612, 1519..1614, 2221..2262, 2222..2263, 2248..2310, 2259..2309, 2260..2319, 2415..2582, 2415..2582, 2416..2595, 2417..2596		

Seq. No.	36004	Seq. ID	OJ990528_25.9B19.C4
Gene No.	74234	Strand	-
Start	10163	End	12096
Name	OJ990528_25.9B19.C4.o3.gs	Method	GENSCAN
Start	10163	End	12096
GI	none	Score	.8
Exons	10163..10275, 11973..12096		

Seq. No.	36005	Seq. ID	OJ990528_25.9B19.C5
Gene No.	74235	Strand	-
Start	134	End	3726
Name	OJ990528_25.9B19.C5.o1.np	Method	AAT/NAP
Start	134	End	3616
GI	4234852	Score	2287
Exons	134..3406, 3440..3616		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	36005	Seq. ID	OJ990528_25.9B19.C5
Gene No.	74235	Strand	-
Start	134	End	3726
Name	OJ990528_25.9B19.C5.o2.tw	Method	TBLASTX:Wheat
Start	185	End	581
GI	none	Score	81
Exons	185..400, 408..581, 409..549		

Seq. No.	36005	Seq. ID	OJ990528_25.9B19.C5
Gene No.	74235	Strand	-
Start	134	End	3726
Name	OJ990528_25.9B19.C5.o3.tm	Method	TBLASTX:Maize
Start	650	End	935
GI	none	Score	51
Exons	650..712, 660..710, 711..935, 712..801		

Seq. No.	36005	Seq. ID	OJ990528_25.9B19.C5
Gene No.	74235	Strand	-
Start	134	End	3726
Name	OJ990528_25.9B19.C5.o1.tw	Method	TBLASTX:Wheat
Start	741	End	1519
GI	none	Score	66
Exons	741..947, 745..939, 880..1116, 926..1108, 926..1144, 1151..1234, 1222..1371, 1230..1460, 1234..1452, 1245..1469, 1469..1519		

Seq. No.	36005	Seq. ID	OJ990528_25.9B19.C5
Gene No.	74235	Strand	-
Start	134	End	3726
Name	OJ990528_25.9B19.C5.o1.ts	Method	TBLASTX:Soybean
Start	1230	End	1640
GI	5509260	Score	76
Exons	1230..1460, 1291..1452, 1296..1469, 1457..1639, 1482..1640		
GI Descrip.	-		

Seq. No.	36005	Seq. ID	OJ990528_25.9B19.C5
Gene No.	74235	Strand	-
Start	134	End	3726
Name	OJ990528_25.9B19.C5.o2.tm	Method	TBLASTX:Maize
Start	1344	End	1639
GI	none	Score	48
Exons	1344..1460, 1345..1452, 1457..1639, 1482..1598		

Seq. No.	36005	Seq. ID	OJ990528_25.9B19.C5
Gene No.	74235	Strand	-
Start	134	End	3726
Name	OJ990528_25.9B19.C5.o1.gs	Method	GENSCAN
Start	1711	End	3637
GI	none	Score	.42
Exons	1711..1865, 2772..2875, 2919..3637		

Seq. No.	36005	Seq. ID	OJ990528_25.9B19.C5
Gene No.	74235	Strand	-
Start	134	End	3726
Name	OJ990528_25.9B19.C5.o1.gp	Method	AAT/GAP
Start	2413	End	2983
GI	uC-osflcyp006a10b1	Score	835
Exons	2413..2664, 2772..2983		
GI Descrip.	'4234846 7.0e-13 (AF082130) gag-pol polyprotein [Zea mays]'		

Seq. No.	36005	Seq. ID	OJ990528_25.9B19.C5
Gene No.	74235	Strand	-
Start	134	End	3726
Name	OJ990528_25.9B19.C5.o1.tm	Method	TBLASTX:Maize
Start	2606	End	3523
GI	none	Score	113
Exons	2606..2668, 2921..3199, 2945..3523, 2955..3401		

Seq. No.	36005	Seq. ID	OJ990528_25.9B19.C5
Gene No.	74235	Strand	-
Start	134	End	3726
Name	OJ990528_25.9B19.C5.o2.gp	Method	AAT/GAP
Start	3215	End	3726

GI	uC-osf1M202052c07b1	Score	1007
Exons	3215..3726		
GI Descrip.	'4234848 1.0e-12 (AF082131) gag-pol polyprotein [Zea mays]'		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74236	Strand	+
Start	422	End	2978
Name	OJ990528_25.9B19.C6.o1.np	Method	AAT/NAP
Start	422	End	2978
GI	4914402	Score	1093
Exons	422..450, 1754..2978		
GI Descrip.	(AL050352) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74236	Strand	+
Start	422	End	2978
Name	OJ990528_25.9B19.C6.o1.gs	Method	GENSCAN
Start	866	End	2978
GI	none	Score	.7
Exons	866..959, 1138..1315, 1512..1593, 1616..2092, 2196..2978		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74236	Strand	+
Start	422	End	2978
Name	OJ990528_25.9B19.C6.o1.gp	Method	AAT/GAP
Start	1925	End	2515
GI	48347_1.R1084	Score	1072
Exons	1925..2515		
GI Descrip.	'4914402/emb\|CAB43653.1\| 3.0e-59 (AL050352) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74237	Strand	+
Start	3822	End	16258
Name	OJ990528_25.9B19.C6.o2.gs	Method	GENSCAN
Start	3822	End	15964
GI	none	Score	.44
Exons	3822..3935, 4127..4300, 4778..4851, 5066..5789, 6217..6476, 6576..6837, 7631..7733, 7816..7974, 8595..8785, 9311..9441, 9819..10138, 11161..11266, 11514..11682, 14837..14902, 15382..15645, 15776..15964		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74237	Strand	+
Start	3822	End	16258
Name	OJ990528_25.9B19.C6.o3.gp	Method	AAT/GAP
Start	5273	End	5766
GI	5002867	Score	751
Exons	5273..5368, 5456..5766		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74237	Strand	+
Start	3822	End	16258
Name	OJ990528_25.9B19.C6.o4.gp	Method	AAT/GAP
Start	6647	End	7052
GI	5002868	Score	724
Exons	6647..7052		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74237	Strand	+
Start	3822	End	16258
Name	OJ990528_25.9B19.C6.o2.np	Method	AAT/NAP
Start	13020	End	16258
GI	5852093	Score	55
Exons	13020..13054, 14405..14553, 16227..16258		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74238	Strand	+
Start	26930	End	39414
Name	OJ990528_25.9B19.C6.o4.gs	Method	GENSCAN
Start	26930	End	39343
GI	none	Score	.88
Exons	26930..26945, 28311..28400, 28654..29491, 30352..30467, 30772..30980, 32030..32149, 32262..32390, 32948..33052, 33875..33992, 34409..34618, 34707..35019, 35616..35709, 36001..36039, 36674..36801, 36909..37143, 37647..37835, 37922..38205, 38295..38475, 38635..38805, 38981..39063, 39196..39343		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74238	Strand	+
Start	26930	End	39414
Name	OJ990528_25.9B19.C6.o4.np	Method	AAT/NAP
Start	27061	End	39414
GI	3688173	Score	3434
Exons	27061..27088, 28786..29454, 30360..30467, 30772..30980, 32030..32149, 32262..32390, 32471..32596, 33875..33992, 34409..34618, 34707..35019, 35616..35709, 35931..36039, 36320..36591, 36674..36801, 36909..37143, 37647..37835, 37922..38171, 38291..38475, 38563..38806, 39296..39414		
GI Descrip.	(AL031804) putative protein [Arabidopsis thaliana]		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74238	Strand	+
Start	26930	End	39414
Name	OJ990528_25.9B19.C6.o6.gp	Method	AAT/GAP
Start	36319	End	37010
GI	uC-osflm202107b01b1	Score	942
Exons	36319..36591, 36674..36801, 36909..37010		
GI Descrip.	'762924/emb\|X85998\|DMELAST 7.0e-22 D.melanogaster mRNA for elastin-like protein'		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74238	Strand	+
Start	26930	End	39414
Name	OJ990528_25.9B19.C6.o8.gp	Method	AAT/GAP
Start	38961	End	39414
GI	none	Score	538
Exons	38961..39063, 39196..39414		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74239	Strand	+
Start	39560	End	39844

Name	OJ990528_25.9B19.C6.o9.gp	Method	AAT/GAP
Start	39560	End	39844
GI	none	Score	524
Exons	39560..39844		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74240	Strand	+
Start	40817	End	53211
Name	OJ990528_25.9B19.C6.o5.np	Method	AAT/NAP
Start	40817	End	53211
GI	2980806	Score	488
Exons	40817..40840, 44073..44168, 44752..44841, 44958..45206, 45310..45489, 47682..47782, 53188..53211		
GI Descrip.	(AL022197) putative protein [Arabidopsis thaliana]		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74240	Strand	+
Start	40817	End	53211
Name	OJ990528_25.9B19.C6.o7.gs	Method	GENSCAN
Start	44049	End	50581
GI	none	Score	.56
Exons	44049..44168, 44752..44841, 44958..45143, 45310..45489, 47462..47551, 47638..47782, 47806..47973, 50475..50581		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74240	Strand	+
Start	40817	End	53211
Name	OJ990528_25.9B19.C6.o11.gp	Method	AAT/GAP
Start	44997	End	47782
GI	uC-osflcyp078g04b1	Score	922
Exons	44997..45206, 45310..45489, 47682..47782		
GI Descrip.	'2980806/emb\|CAA18182.1\| 4.0e-44 (AL022197) putative protein [Arabidopsis thaliana]'		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74240	Strand	+
Start	40817	End	53211
Name	OJ990528_25.9B19.C6.o12.gp	Method	AAT/GAP
Start	52100	End	52520
GI	uC-osroM202030e11a1	Score	838
Exons	52100..52520		
GI Descrip.	'4191780 3.0e-12 (AC005917) putative cytokinin oxidase [Arabidopsis thaliana]'		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74241	Strand	+
Start	55910	End	56658
Name	OJ990528_25.9B19.C6.o9.gs	Method	GENSCAN
Start	55910	End	56658
GI	none	Score	.55
Exons	55910..55923, 55974..56125, 56624..56658		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74242	Strand	+
Start	59614	End	59791
Name	OJ990528_25.9B19.C6.o10.gs	Method	GENSCAN
Start	59614	End	59791

GI	none	Score	.9
Exons	59614..59791		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74243	Strand	-
Start	2906	End	3329
Name	OJ990528_25.9B19.C6.o2.gp	Method	AAT/GAP
Start	2906	End	3329
GI	none	Score	813
Exons	2906..3329		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74244	Strand	-
Start	20900	End	21263
Name	OJ990528_25.9B19.C6.o5.gp	Method	AAT/GAP
Start	20900	End	21263
GI	2310331	Score	480
Exons	20900..21077, 21151..21263		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74245	Strand	-
Start	40256	End	40970
Name	OJ990528_25.9B19.C6.o5.gs	Method	GENSCAN
Start	40256	End	40970
GI	none	Score	.4
Exons	40256..40282, 40646..40802, 40807..40970		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74246	Strand	-
Start	43088	End	43345
Name	OJ990528_25.9B19.C6.o6.gs	Method	GENSCAN
Start	43088	End	43345
GI	none	Score	.95
Exons	43088..43123, 43250..43345		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74247	Strand	-
Start	44148	End	44580
Name	OJ990528_25.9B19.C6.o10.gp	Method	AAT/GAP
Start	44148	End	44580
GI	none	Score	854
Exons	44148..44580		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o1.tm	Method	TBLASTX:Maize
Start	1919	End	2825
GI	none	Score	236
Exons	1919..2089, 1942..2076, 2108..2278, 2121..2279, 2243..2467, 2271..2462, 2462..2536, 2463..2537, 2523..2825, 2543..2824		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o6.tc	Method	TBLASTX:Cress
Start	1961	End	2222

GI	none	Score	140
Exons	1961..2089, 2111..2191, 2121..2222		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o1.tw	Method	TBLASTX:Wheat
Start	2024	End	2816
GI	none	Score	73
Exons	2024..2089, 2032..2076, 2108..2533, 2121..2537, 2543..2815, 2544..2816		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o1.tc	Method	TBLASTX:Cress
Start	2286	End	2821
GI	none	Score	639
Exons	2286..2816, 2318..2821		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o2.tw	Method	TBLASTX:Wheat
Start	18296	End	18660
GI	none	Score	194
Exons	18296..18547, 18298..18660		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o5.tm	Method	TBLASTX:Maize
Start	18391	End	18858
GI	none	Score	38
Exons	18391..18483, 18416..18448, 18490..18858, 18497..18850, 18601..18855		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o3.tw	Method	TBLASTX:Wheat
Start	18760	End	19312
GI	none	Score	102
Exons	18760..18858, 18904..18936, 18937..19131, 18938..19312, 19201..19311		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o12.tm	Method	TBLASTX:Maize
Start	18892	End	19140
GI	none	Score	94
Exons	18892..19140, 18893..19066		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952

Name	OJ990528_25.9B19.C6.o11.tm	Method	TBLASTX:Maize
Start	19199	End	19489
GI	none	Score	145
Exons	19199..19489, 19201..19485		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o6.tm	Method	TBLASTX:Maize
Start	30364	End	32128
GI	none	Score	111
Exons	30364..30465, 30372..30464, 30413..30466, 30728..30829, 30771..30983, 30771..30980, 30868..30981, 32025..32126, 32026..32127, 32027..32128		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o7.tc	Method	TBLASTX:Cress
Start	30770	End	32152
GI	none	Score	236
Exons	30770..30817, 30771..30983, 30798..30995, 32027..32152, 32029..32151		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o8.tm	Method	TBLASTX:Maize
Start	32258	End	33593
GI	none	Score	120
Exons	32258..32398, 32258..32392, 32259..32423, 32259..32393, 32462..32599, 32468..32575, 32469..32615, 32470..32616, 32470..32616, 33531..33593, 33531..33590		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o10.tm	Method	TBLASTX:Maize
Start	34493	End	34822
GI	none	Score	172
Exons	34493..34618, 34495..34617, 34533..34622, 34703..34771, 34706..34822, 34801..34821		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o2.tm	Method	TBLASTX:Maize
Start	34823	End	36936
GI	none	Score	148
Exons	34823..35017, 34824..35015, 34835..35020, 35575..35709, 35615..35713, 35928..36047, 35929..36048, 35930..36040, 36283..36435, 36308..36592, 36317..36445, 36318..36593, 36319..36603, 36665..36805, 36672..36806, 36673..36807, 36909..36935, 36910..36936, 36910..36936		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-

Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o2.tc	Method	TBLASTX:Cress
Start	36373	End	36957
GI	none	Score	270
Exons	36373..36603, 36375..36596, 36665..36781, 36671..36766, 36673..36783, 36673..36780, 36775..36807, 36776..36805, 36909..36938, 36909..36944, 36910..36957		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o4.tm	Method	TBLASTX:Maize
Start	36979	End	38119
GI	none	Score	189
Exons	36979..37137, 36982..37155, 36987..37145, 37626..37835, 37644..37835, 37645..37836, 37757..37837, 37919..38119, 37920..38108, 37921..38109		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o3.tc	Method	TBLASTX:Cress
Start	37708	End	38149
GI	none	Score	88
Exons	37708..37797, 37710..37838, 37710..37844, 37940..38149, 37951..38148		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o3.tm	Method	TBLASTX:Maize
Start	38292	End	39427
GI	none	Score	267
Exons	38292..38480, 38293..38481, 38296..38475, 38552..38659, 38560..38808, 38562..38807, 38981..39064, 38981..39067, 39188..39343, 39195..39344, 39205..39342, 39208..39357, 39363..39419, 39370..39426, 39376..39420, 39380..39427		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o4.tc	Method	TBLASTX:Cress
Start	45159	End	47976
GI	none	Score	67
Exons	45159..45212, 45170..45223, 45307..45489, 45309..45503, 47675..47764, 47682..47753, 47748..47783, 47871..47963, 47872..47976		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o7.tm	Method	TBLASTX:Maize
Start	45300	End	45528
GI	none	Score	216
Exons	45300..45494, 45300..45494, 45301..45516, 45301..45528		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6

Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o8.gs	Method	GENSCAN
Start	52391	End	54869
GI	none	Score	.93
Exons	52391..52685, 52781..53471, 54257..54869		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o6.np	Method	AAT/NAP
Start	52394	End	54872
GI	3882018	Score	1735
Exons	52394..52685, 52781..53471, 54257..54872		
GI Descrip.	(Y18377) cytokinin oxidase [Zea mays]		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o9.tc	Method	TBLASTX:Cress
Start	52397	End	52648
GI	none	Score	135
Exons	52397..52648, 52410..52574		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o9.tm	Method	TBLASTX:Maize
Start	52457	End	53019
GI	none	Score	83
Exons	52457..52594, 52464..52574, 52607..52648, 52780..52815, 52822..53019		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o8.tc	Method	TBLASTX:Cress
Start	52777	End	53010
GI	none	Score	103
Exons	52777..53010, 52778..52930		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o5.tc	Method	TBLASTX:Cress
Start	53380	End	54431
GI	none	Score	78
Exons	53380..53463, 53381..53494, 54255..54431, 54256..54378		

Seq. No.	36006	Seq. ID	OJ990528_25.9B19.C6
Gene No.	74248	Strand	-
Start	52391	End	54952
Name	OJ990528_25.9B19.C6.o13.gp	Method	AAT/GAP
Start	54536	End	54952
GI	uC-osroM202030e11b1	Score	782
Exons	54536..54952		
GI Descrip.	'3341978/gb\|AAC27500\| 3.0e-19 (AF044603) cytokinin oxidase [Zea		

mays]'

Seq. No.	36007	Seq. ID	OJ990528_25.9B19.C7
Gene No.	74249	Strand	+
Start	4419	End	4525
Name	OJ990528_25.9B19.C7.o1.np	Method	AAT/NAP
Start	4419	End	4525
GI	5852093	Score	81
Exons	4419..4525		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	36007	Seq. ID	OJ990528_25.9B19.C7
Gene No.	74250	Strand	-
Start	2400	End	3701
Name	OJ990528_25.9B19.C7.o1.gs	Method	GENSCAN
Start	2400	End	3701
GI	none	Score	.45
Exons	2400..2535, 3679..3701		

Seq. No.	36008	Seq. ID	OJ990528_25.9B19.C8
Gene No.	74251	Strand	-
Start	1387	End	5640
Name	OJ990528_25.9B19.C8.o1.gs	Method	GENSCAN
Start	1387	End	5011
GI	none	Score	.56
Exons	1387..1459, 2670..2867, 3314..3407, 4253..4673, 4803..5011		

Seq. No.	36008	Seq. ID	OJ990528_25.9B19.C8
Gene No.	74251	Strand	-
Start	1387	End	5640
Name	OJ990528_25.9B19.C8.o1.ts	Method	TBLASTX:Soybean
Start	4090	End	5014
GI	none	Score	58
Exons	4090..4185, 4101..4187, 4197..4286, 4213..4293, 4279..4395, 4293..4358, 4377..4415, 4803..5003, 4803..5012, 4804..5013, 4808..5014		

Seq. No.	36008	Seq. ID	OJ990528_25.9B19.C8
Gene No.	74251	Strand	-
Start	1387	End	5640
Name	OJ990528_25.9B19.C8.o1.np	Method	AAT/NAP
Start	4104	End	5640
GI	2062176	Score	400
Exons	4104..4626, 4801..5018, 5611..5640		
GI Descrip.	(AC001645) Myb-related transcription activator (MybSt1) isolog [Arabidopsis thaliana]		

Seq. No.	36008	Seq. ID	OJ990528_25.9B19.C8
Gene No.	74251	Strand	-
Start	1387	End	5640
Name	OJ990528_25.9B19.C8.o1.tc	Method	TBLASTX:Cress
Start	4137	End	5013
GI	none	Score	69
Exons	4137..4286, 4159..4296, 4293..4340, 4377..4439, 4800..4940, 4801..4938, 4812..4943, 4944..5012, 4945..5013		

Seq. No.	36008	Seq. ID	OJ990528_25.9B19.C8

Gene No.	74251	Strand	-
Start	1387	End	5640
Name	OJ990528_25.9B19.C8.o1.tm	Method	TBLASTX:Maize
Start	4158	End	5030
GI	none	Score	250
Exons	4158..4184, 4221..4286, 4293..4340, 4806..5012, 4807..5013, 4812..5030, 4814..5020		

Seq. No.	36008	Seq. ID	OJ990528_25.9B19.C8
Gene No.	74251	Strand	-
Start	1387	End	5640
Name	OJ990528_25.9B19.C8.o1.tw	Method	TBLASTX:Wheat
Start	4806	End	5013
GI	none	Score	135
Exons	4806..5012, 4812..5003, 4813..5013		

Seq. No.	36009	Seq. ID	OJ990528_25.9B19.C9
Gene No.	74252	Strand	-
Start	1	End	2074
Name	OJ990528_25.9B19.C9.o1.np	Method	AAT/NAP
Start	1	End	1978
GI	1076660	Score	107
Exons	1..31, 1656..1978		
GI Descrip.	D13F(MYBST1) protein - potato gi\|786426\|bbs\|159122 (S74753) MybSt1=Myb-related transcriptional activator {DNA-binding domain repeats} [Solanum tuberosum=potatoes, leaf, Peptide, 342 aa] [Solanum tuberosum]		

Seq. No.	36009	Seq. ID	OJ990528_25.9B19.C9
Gene No.	74252	Strand	-
Start	1	End	2074
Name	OJ990528_25.9B19.C9.o1.gp	Method	AAT/GAP
Start	1836	End	2074
GI	2431150	Score	421
Exons	1836..2074		
GI Descrip.	3819376/emb\|AJ234593.1\|HVU234593 2.0e-11 Hordeum vulgare genomic DNA fragment; clone MWG0852.uni		

Seq. No.	36009	Seq. ID	OJ990528_25.9B19.C9
Gene No.	74253	Strand	-
Start	6963	End	7679
Name	OJ990528_25.9B19.C9.o2.gs	Method	GENSCAN
Start	6963	End	7679
GI	none	Score	.62
Exons	6963..7111, 7467..7679		

Seq. No.	36010	Seq. ID	OJ990528_25.9B19.C10
Gene No.	74254	Strand	+
Start	87	End	5848
Name	OJ990528_25.9B19.C10.o1.gs	Method	GENSCAN
Start	87	End	5848
GI	none	Score	.74
Exons	87..179, 213..301, 954..1083, 1654..1797, 2620..2739, 3312..3507, 3759..3857, 4315..4366, 4585..4721, 4803..4903, 4995..5053, 5399..5444, 5573..5652, 5758..5848		

Seq. No.	36010	Seq. ID	OJ990528_25.9B19.C10

Gene No.	74254	Strand	+
Start	87	End	5848
Name	OJ990528_25.9B19.C10.o1.gp	Method	AAT/GAP
Start	1663	End	3506
GI	LIB3477-009-P1-K1-F8	Score	811
Exons	1663..1900, 3312..3506		
GI Descrip.	'5302799/emb\|CAB46041.1\| 7.0e-15 (Z97341) gibberellin oxidase-like protein [Arabidopsis thaliana]'		

Seq. No.	36010	Seq. ID	OJ990528_25.9B19.C10
Gene No.	74254	Strand	+
Start	87	End	5848
Name	OJ990528_25.9B19.C10.o1.np	Method	AAT/NAP
Start	1793	End	5653
GI	6523052	Score	738
Exons	1793..1900, 3312..3507, 3759..3857, 4315..4366, 4585..4709, 4809..4903, 4995..5053, 5208..5264, 5399..5444, 5573..5653		
GI Descrip.	(AL133314) putative protein [Arabidopsis thaliana]		

Seq. No.	36010	Seq. ID	OJ990528_25.9B19.C10
Gene No.	74254	Strand	+
Start	87	End	5848
Name	OJ990528_25.9B19.C10.o2.gp	Method	AAT/GAP
Start	4461	End	4796
GI	LIB3432-018-P1-K1-G11	Score	629
Exons	4461..4796		
GI Descrip.	'3819376/emb\|AJ234593.1\|HVU234593 2.0e-11 Hordeum vulgare genomic DNA fragment; clone MWG0852.uni'		

Seq. No.	36010	Seq. ID	OJ990528_25.9B19.C10
Gene No.	74255	Strand	+
Start	5803	End	6032
Name	OJ990528_25.9B19.C10.o3.gp	Method	AAT/GAP
Start	5803	End	6032
GI	3760290	Score	437
Exons	5803..6032		

Seq. No.	36010	Seq. ID	OJ990528_25.9B19.C10
Gene No.	74256	Strand	-
Start	6094	End	6275
Name	OJ990528_25.9B19.C10.o1.ts	Method	TBLASTX:Soybean
Start	1841	End	5848
GI	none	Score	66
Exons	1841..1915, 3298..3444, 3307..3444, 3309..3521, 3312..3512, 3758..3853, 3758..3847, 4314..4367, 4577..4708, 4595..4708, 4781..4906, 4801..4899, 4980..5039, 4989..5054, 4994..5053, 5212..5265, 5572..5649, 5591..5653, 5748..5828, 5750..5848		

Seq. No.	36010	Seq. ID	OJ990528_25.9B19.C10
Gene No.	74256	Strand	-
Start	6094	End	6275
Name	OJ990528_25.9B19.C10.o1.tc	Method	TBLASTX:Cress
Start	3268	End	5437
GI	none	Score	83
Exons	3268..3411, 3307..3411, 3309..3545, 3311..3508, 3312..3515, 3755..3850, 4311..4367, 4568..4708, 4808..4906, 4816..4902, 4989..5054, 4994..5053, 5194..5265, 5214..5267, 5393..5437		

Seq. No.	36010	Seq. ID	OJ990528_25.9B19.C10
Gene No.	74256	Strand	-
Start	6094	End	6275
Name	OJ990528_25.9B19.C10.o1.tm	Method	TBLASTX:Maize
Start	3345	End	4906
GI	none	Score	266
Exons	3345..3512, 3345..3515, 3735..3848, 3755..3853, 3758..3847, 3759..3848, 3808..3864, 4313..4372, 4314..4367, 4568..4708, 4573..4707, 4589..4708, 4638..4709, 4781..4906, 4783..4902, 4802..4906		

Seq. No.	36010	Seq. ID	OJ990528_25.9B19.C10
Gene No.	74256	Strand	-
Start	6094	End	6275
Name	OJ990528_25.9B19.C10.o2.tm	Method	TBLASTX:Maize
Start	4989	End	5848
GI	none	Score	111
Exons	4989..5054, 4994..5053, 5206..5253, 5208..5261, 5209..5268, 5393..5452, 5397..5438, 5572..5652, 5585..5653, 5589..5654, 5591..5653, 5592..5714, 5698..5820, 5748..5846, 5750..5848		

Seq. No.	36010	Seq. ID	OJ990528_25.9B19.C10
Gene No.	74256	Strand	-
Start	6094	End	6275
Name	OJ990528_25.9B19.C10.o2.gs	Method	GENSCAN
Start	6094	End	6275
GI	none	Score	.64
Exons	6094..6275		

Seq. No.	36011	Seq. ID	OJ990528_21.9B12.C2
Gene No.	74257	Strand	+
Start	254	End	286
Name	OJ990528_21.9B12.C2.o1.gs	Method	GENSCAN
Start	254	End	286
GI	none	Score	.5
Exons	254..286		

Seq. No.	36012	Seq. ID	OJ990528_21.9B12.C3
Gene No.	74258	Strand	-
Start	1	End	611
Name	OJ990528_21.9B12.C3.o1.gp	Method	AAT/GAP
Start	1	End	193
GI	428626	Score	386
Exons	1..193		

Seq. No.	36012	Seq. ID	OJ990528_21.9B12.C3
Gene No.	74258	Strand	-
Start	1	End	611
Name	OJ990528_21.9B12.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	324
GI	none	Score	63
Exons	1..75, 1..57, 2..109, 88..204, 107..205, 112..207, 113..208, 200..316, 202..324, 207..320, 208..321		

Seq. No.	36012	Seq. ID	OJ990528_21.9B12.C3
Gene No.	74258	Strand	-

Start	1	End	611
Name	OJ990528_21.9B12.C3.o1.gs	Method	GENSCAN
Start	60	End	315
GI	none	Score	.66
Exons	60..315		

Seq. No.	36012	Seq. ID	OJ990528_21.9B12.C3
Gene No.	74258	Strand	-
Start	1	End	611
Name	OJ990528_21.9B12.C3.o1.ts	Method	TBLASTX:Soybean
Start	130	End	611
GI	none	Score	105
Exons	130..324, 170..316, 476..607,	476..610, 477..611, 477..611	

Seq. No.	36013	Seq. ID	OJ990528_21.9B12.C5
Gene No.	74259	Strand	-
Start	485	End	634
Name	OJ990528_21.9B12.C5.o1.gs	Method	GENSCAN
Start	485	End	634
GI	none	Score	.96
Exons	485..634		

Seq. No.	36014	Seq. ID	OJ990528_21.9B12.C8
Gene No.	74260	Strand	+
Start	1	End	381
Name	OJ990528_21.9B12.C8.o1.np	Method	AAT/NAP
Start	1	End	381
GI	3738285	Score	108
Exons	1..48, 168..381		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		

Seq. No.	36014	Seq. ID	OJ990528_21.9B12.C8
Gene No.	74260	Strand	+
Start	1	End	381
Name	OJ990528_21.9B12.C8.o1.tm	Method	TBLASTX:Maize
Start	164	End	324
GI	none	Score	191
Exons	164..286, 165..290, 178..324		

Seq. No.	36014	Seq. ID	OJ990528_21.9B12.C8
Gene No.	74260	Strand	+
Start	1	End	381
Name	OJ990528_21.9B12.C8.o1.gp	Method	AAT/GAP
Start	165	End	289
GI	2905_1.R1084	Score	207
Exons	165..289		
GI Descrip.	'3738285 2.0e-28 (AC005309) unknown protein [Arabidopsis thaliana]'		

Seq. No.	36015	Seq. ID	OJ990528_21.9B12.C9
Gene No.	74261	Strand	+
Start	57	End	551
Name	OJ990528_21.9B12.C9.o1.ts	Method	TBLASTX:Soybean
Start	4	End	163
GI	none	Score	188
Exons	4..162, 14..163		

Seq. No.	36015	Seq. ID	OJ990528_21.9B12.C9
Gene No.	74261	Strand	+
Start	57	End	551
Name	OJ990528_21.9B12.C9.o1.gs	Method	GENSCAN
Start	57	End	551
GI	none	Score	.88
Exons	57..250, 370..551		

Seq. No.	36016	Seq. ID	OJ990528_21.9B12.C11
Gene No.	74262	Strand	+
Start	245	End	461
Name	OJ990528_21.9B12.C11.o1.tm	Method	TBLASTX:Maize
Start	21	End	382
GI	none	Score	132
Exons	21..125, 21..131, 22..132, 22..147, 245..382, 246..380		

Seq. No.	36016	Seq. ID	OJ990528_21.9B12.C11
Gene No.	74262	Strand	+
Start	245	End	461
Name	OJ990528_21.9B12.C11.o1.gs	Method	GENSCAN
Start	245	End	461
GI	none	Score	.67
Exons	245..461		

Seq. No.	36017	Seq. ID	OJ990528_21.9B12.C12
Gene No.	74263	Strand	+
Start	1	End	207
Name	OJ990528_21.9B12.C12.o1.gp	Method	AAT/GAP
Start	1	End	207
GI	none	Score	359
Exons	1..207		

Seq. No.	36018	Seq. ID	OJ990528_21.9B12.C14
Gene No.	74264	Strand	+
Start	218	End	420
Name	OJ990528_21.9B12.C14.o1.gs	Method	GENSCAN
Start	218	End	420
GI	none	Score	.91
Exons	218..420		

Seq. No.	36019	Seq. ID	OJ990528_21.9B12.C15
Gene No.	74265	Strand	+
Start	110	End	291
Name	OJ990528_21.9B12.C15.o1.gs	Method	GENSCAN
Start	110	End	291
GI	none	Score	.43
Exons	110..291		

Seq. No.	36020	Seq. ID	OJ990528_21.9B12.C17
Gene No.	74266	Strand	-
Start	1	End	4648
Name	OJ990528_21.9B12.C17.o1.np	Method	AAT/NAP
Start	1	End	4074
GI	6815062	Score	2656
Exons	1..279, 386..436, 507..605, 682..991, 1050..1290, 1376..2233, 2325..2395, 2567..4074		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC		

F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]

Seq. No.	36020	Seq. ID	OJ990528_21.9B12.C17
Gene No.	74266	Strand	-
Start	1	End	4648
Name	OJ990528_21.9B12.C17.o1.gs	Method	GENSCAN
Start	63	End	4648
GI	none	Score	.66
Exons	63..436, 507..605, 682..976, 1082..1290, 1376..2233, 2325..2415, 2762..2777, 2966..3879, 4283..4648		

Seq. No.	36020	Seq. ID	OJ990528_21.9B12.C17
Gene No.	74266	Strand	-
Start	1	End	4648
Name	OJ990528_21.9B12.C17.o3.tm	Method	TBLASTX:Maize
Start	682	End	1290
GI	none	Score	107
Exons	682..867, 907..984, 1081..1290, 1082..1240		

Seq. No.	36020	Seq. ID	OJ990528_21.9B12.C17
Gene No.	74266	Strand	-
Start	1	End	4648
Name	OJ990528_21.9B12.C17.o2.tm	Method	TBLASTX:Maize
Start	1529	End	2033
GI	none	Score	206
Exons	1529..1867, 1533..1838, 1613..1867, 1898..2032, 1908..2033		

Seq. No.	36020	Seq. ID	OJ990528_21.9B12.C17
Gene No.	74266	Strand	-
Start	1	End	4648
Name	OJ990528_21.9B12.C17.o4.tm	Method	TBLASTX:Maize
Start	3060	End	3338
GI	none	Score	76
Exons	3060..3338, 3157..3282		

Seq. No.	36020	Seq. ID	OJ990528_21.9B12.C17
Gene No.	74266	Strand	-
Start	1	End	4648
Name	OJ990528_21.9B12.C17.o1.tm	Method	TBLASTX:Maize
Start	3465	End	4013
GI	none	Score	243
Exons	3465..3854, 3487..3855, 3882..4013		

Seq. No.	36021	Seq. ID	OJ990528_21.9B12.C18
Gene No.	74267	Strand	-
Start	1	End	200
Name	OJ990528_21.9B12.C18.o1.np	Method	AAT/NAP
Start	1	End	200
GI	1346301	Score	139
Exons	1..200		
GI Descrip.	3-HYDROXY-3-METHYLGLUTARYL-COENZYME A REDUCTASE (HMG-COA REDUCTASE) gi\|1071805\|pir\|\|S46314 hydroxymethylglutaryl CoA reductase - rice gi\|455459 (L28995) 3-hydroxy-3-methylglutaryl coenzyme A reductase [Oryza sativa]		

Seq. No.	36021	Seq. ID	OJ990528_21.9B12.C18

Gene No.	74268	Strand	-
Start	127	End	304
Name	OJ990528_21.9B12.C18.o1.gs	Method	GENSCAN
Start	127	End	304
GI	none	Score	.9
Exons	127..304		

Seq. No.	36022	Seq. ID	OJ990528_21.9B12.C20
Gene No.	74269	Strand	-
Start	1077	End	1184
Name	OJ990528_21.9B12.C20.o1.gs	Method	GENSCAN
Start	1077	End	1184
GI	none	Score	.74
Exons	1077..1184		

Seq. No.	36023	Seq. ID	OJ990528_21.9B12.C21
Gene No.	74270	Strand	-
Start	159	End	399
Name	OJ990528_21.9B12.C21.o1.gp	Method	AAT/GAP
Start	159	End	399
GI	7406_1.R1084	Score	399
Exons	159..399		
GI Descrip.	'1122315/emb\|CAA63901\|.7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	36024	Seq. ID	OJ990528_21.9B12.C22
Gene No.	74271	Strand	-
Start	108	End	707
Name	OJ990528_21.9B12.C22.o1.gs	Method	GENSCAN
Start	108	End	707
GI	none	Score	.93
Exons	108..238, 686..707		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74272	Strand	+
Start	2190	End	5820
Name	OJ990528_21.9B12.C23.o1.gs	Method	GENSCAN
Start	2190	End	5561
GI	none	Score	.7
Exons	2190..2340, 2654..2748, 2771..2959, 4604..4733, 4750..5111, 5217..5561		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74272	Strand	+
Start	2190	End	5820
Name	OJ990528_21.9B12.C23.o1.np	Method	AAT/NAP
Start	2630	End	5552
GI	6403494	Score	1538
Exons	2630..2959, 4604..4862, 4918..5111, 5217..5552		
GI Descrip.	(AC010871) putative reversibly glycosylatable polypeptide [Arabidopsis thaliana]		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74272	Strand	+
Start	2190	End	5820
Name	OJ990528_21.9B12.C23.o1.gp	Method	AAT/GAP
Start	5437	End	5820

GI	none	Score	736
Exons	5437..5820		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74273	Strand	+
Start	6536	End	6990
Name	OJ990528_21.9B12.C23.o2.gp	Method	AAT/GAP
Start	6536	End	6990
GI	LIB3432-059-P1-K1-D8	Score	732
Exons	6536..6990		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74274	Strand	+
Start	9721	End	10986
Name	OJ990528_21.9B12.C23.o2.gs	Method	GENSCAN
Start	9721	End	10986
GI	none	Score	.59
Exons	9721..9917, 10538..10676, 10867..10986		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74275	Strand	+
Start	17761	End	22961
Name	OJ990528_21.9B12.C23.o4.gp	Method	AAT/GAP
Start	17761	End	22961
GI	888_1.R1084	Score	1925
Exons	17761..18021, 20749..20827, 20922..20986, 21066..21165, 21281..21322, 21914..21952, 22049..22182, 22597..22961		
GI Descrip.	'6006607/emb\|CAB56800.1\| 1.0e-133 (AJ011675) MADS box protein, MADS28 [Oryza sativa]'		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74275	Strand	+
Start	17761	End	22961
Name	OJ990528_21.9B12.C23.o2.np	Method	AAT/NAP
Start	17837	End	22699
GI	6006607	Score	1061
Exons	17837..18021, 20749..20827, 20922..20986, 21066..21165, 21281..21322, 21914..21952, 22049..22182, 22597..22699		
GI Descrip.	(AJ011675) MADS box protein, MADS28 [Oryza sativa]		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74275	Strand	+
Start	17761	End	22961
Name	OJ990528_21.9B12.C23.o4.gs	Method	GENSCAN
Start	20750	End	22715
GI	none	Score	.82
Exons	20750..20827, 20922..20986, 21066..21165, 21281..21322, 21914..21952, 21992..22182, 22568..22715		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74276	Strand	+
Start	34992	End	35285
Name	OJ990528_21.9B12.C23.o5.gp	Method	AAT/GAP
Start	34992	End	35285
GI	1632299	Score	466

Exons	34992..35285		
Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74277	Strand	+
Start	38931	End	39329
Name	OJ990528_21.9B12.C23.o6.gp	Method	AAT/GAP
Start	38931	End	39329
GI	none	Score	794
Exons	38931..39329		
Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74278	Strand	-
Start	8394	End	8613
Name	OJ990528_21.9B12.C23.o3.gp	Method	AAT/GAP
Start	8394	End	8613
GI	5867_1.R1084	Score	113
Exons	8394..8420, 8536..8613		
GI Descrip.	'464986/sp\|P35132\|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_(Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211_(L00639) ubiquitin conjugating enzyme [Arabidopsis'		
Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74279	Strand	-
Start	11192	End	18471
Name	OJ990528_21.9B12.C23.o3.gs	Method	GENSCAN
Start	11192	End	18471
GI	none	Score	.63
Exons	11192..11485, 13102..13164, 13266..13354, 13531..13658, 13697..13955, 15449..15561, 16298..16395, 17161..17283, 17339..17413, 17567..18076, 18085..18225, 18340..18471		
Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o1.tc	Method	TBLASTX:Cress
Start	2666	End	5539
GI	none	Score	485
Exons	2666..2974, 2687..2779, 2701..2973, 4603..4857, 4604..4906, 4604..4858, 4925..5113, 4941..5114, 5140..5331, 5207..5539, 5214..5525		
Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o2.tw	Method	TBLASTX:Wheat
Start	2666	End	2953
GI	none	Score	468
Exons	2666..2953, 2687..2803, 2701..2952		
Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o1.ts	Method	TBLASTX:Soybean

Start	2666	End	5510
GI	none	Score	493
Exons	2666..2974, 2687..2803, 2701..2973, 4603..4857, 4604..4906, 4604..4879, 4926..5114, 4937..5113, 5214..5510, 5214..5330, 5216..5500, 5388..5510		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o2.tm	Method	TBLASTX:Maize
Start	2666	End	4642
GI	none	Score	497
Exons	2666..2974, 2687..2803, 2701..2973, 4604..4642		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o1.tm	Method	TBLASTX:Maize
Start	4645	End	5531
GI	none	Score	353
Exons	4645..4860, 4646..4858, 4646..4861, 4916..5131, 4941..5126, 5214..5330, 5216..5530, 5217..5531		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o1.tw	Method	TBLASTX:Wheat
Start	4949	End	5486
GI	none	Score	299
Exons	4949..5113, 4950..5114, 5204..5485, 5214..5486, 5214..5330, 5215..5409, 5216..5482, 5382..5486		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o6.tw	Method	TBLASTX:Wheat
Start	17831	End	21135
GI	none	Score	253
Exons	17831..18013, 17836..18012, 17837..18013, 21064..21135		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o3.tc	Method	TBLASTX:Cress
Start	17836	End	21165
GI	none	Score	263
Exons	17836..18018, 17837..18019, 20922..20990, 21064..21165, 21075..21164		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o5.ts	Method	TBLASTX:Soybean
Start	17836	End	20987
GI	none	Score	261
Exons	17836..18012, 17837..18013, 20750..20806, 20922..20987		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o5.tm	Method	TBLASTX:Maize
Start	17836	End	18025
GI	none	Score	312
Exons	17836..18024, 17837..18025, 17837..18025		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o9.tm	Method	TBLASTX:Maize
Start	20743	End	22690
GI	none	Score	119
Exons	20743..20832, 20747..20827, 20751..20828, 20921..20980, 20925..20987, 21063..21164, 21064..21165, 21064..21177, 21075..21185, 21280..21324, 21280..21324, 22040..22111, 22047..22106, 22069..22179, 22096..22176, 22621..22689, 22622..22690		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o4.np	Method	AAT/NAP
Start	21268	End	28046
GI	4205063	Score	37
Exons	21268..21354, 25653..25755, 27956..28046		
GI Descrip.	(U69592) gag polyprotein [Human immunodeficiency virus type 1]		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o2.ts	Method	TBLASTX:Soybean
Start	24397	End	25071
GI	none	Score	65
Exons	24397..24513, 24397..24657, 24567..25010, 24568..25035, 24709..25071, 24899..25069		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o3.np	Method	AAT/NAP
Start	24409	End	30064
GI	4678197	Score	1775
Exons	24409..26138, 26203..26283, 26462..27334, 27362..28762, 29913..30064		
GI Descrip.	(AC007134) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o5.gs	Method	GENSCAN
Start	24409	End	25665
GI	none	Score	.46
Exons	24409..25016, 25256..25376, 25561..25665		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o3.tm	Method	TBLASTX:Maize
Start	24427	End	25089
GI	none	Score	61
Exons	24427..24651, 24584..24652, 24733..25089, 24734..24835, 24853..25068		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o5.tw	Method	TBLASTX:Wheat
Start	24835	End	25248
GI	none	Score	57
Exons	24835..25080, 24844..24963, 24950..25081, 25102..25248		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o4.tw	Method	TBLASTX:Wheat
Start	25251	End	25762
GI	none	Score	71
Exons	25251..25427, 25419..25559, 25555..25761, 25649..25762		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o10.tm	Method	TBLASTX:Maize
Start	25254	End	25559
GI	none	Score	196
Exons	25254..25559		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o5.np	Method	AAT/NAP
Start	25340	End	46164
GI	495522	Score	75
Exons	25340..25533, 31891..32031, 44320..44392, 44695..44779, 45628..45987, 46138..46164		
GI Descrip.	(U09765) circumsporozoite protein [Plasmodium simiovale]		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o3.ts	Method	TBLASTX:Soybean
Start	25444	End	25942
GI	5509260	Score	77
Exons	25444..25560, 25449..25559, 25555..25938, 25649..25942		
GI Descrip.	-		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o2.tc	Method	TBLASTX:Cress
Start	25554	End	25812

GI	none	Score	133
Exons	25554..25790, 25555..25791, 25555..25812, 25562..25798		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o8.tm	Method	TBLASTX:Maize
Start	25582	End	25903
GI	none	Score	109
Exons	25582..25902, 25594..25815, 25670..25903		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o7.tm	Method	TBLASTX:Maize
Start	26441	End	26997
GI	none	Score	55
Exons	26441..26701, 26473..26646, 26668..26997, 26723..26953		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o4.tc	Method	TBLASTX:Cress
Start	26473	End	26916
GI	none	Score	73
Exons	26473..26646, 26668..26916, 26741..26890		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o4.ts	Method	TBLASTX:Soybean
Start	26473	End	26931
GI	none	Score	94
Exons	26473..26931, 26630..26857		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o3.tw	Method	TBLASTX:Wheat
Start	26488	End	27096
GI	none	Score	38
Exons	26488..26610, 26621..26710, 26667..26711, 26710..27096, 26741..27040		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164
Name	OJ990528_21.9B12.C23.o4.tm	Method	TBLASTX:Maize
Start	27004	End	27460
GI	none	Score	63
Exons	27004..27084, 27004..27093, 27018..27089, 27117..27320, 27118..27243, 27121..27354, 27122..27355, 27370..27459, 27401..27460		

Seq. No.	36025	Seq. ID	OJ990528_21.9B12.C23
Gene No.	74280	Strand	-
Start	21268	End	46164

Name	OJ990528_21.9B12.C23.o6.tm	Method	TBLASTX:Maize
Start	28530	End	28834
GI	none	Score	205
Exons	28530..28826, 28538..28834		

Seq. No.	36026	Seq. ID	OJ990528_21.9B12.C25
Gene No.	74281	Strand	-
Start	1	End	397
Name	OJ990528_21.9B12.C25.o1.gp	Method	AAT/GAP
Start	1	End	397
GI	2905_1.R1084	Score	729
Exons	1..397		
GI Descrip.	'3738285 2.0e-28 (AC005309) unknown protein [Arabidopsis thaliana]'		

Seq. No.	36026	Seq. ID	OJ990528_21.9B12.C25
Gene No.	74282	Strand	-
Start	313	End	397
Name	OJ990528_21.9B12.C25.o1.np	Method	AAT/NAP
Start	313	End	397
GI	3738285	Score	100
Exons	313..397		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		

Seq. No.	36027	Seq. ID	OJ990528_21.9B12.C26
Gene No.	74283	Strand	+
Start	413	End	683
Name	OJ990528_21.9B12.C26.o1.gp	Method	AAT/GAP
Start	413	End	683
GI	none	Score	538
Exons	413..683		

Seq. No.	36027	Seq. ID	OJ990528_21.9B12.C26
Gene No.	74283	Strand	+
Start	413	End	683
Name	OJ990528_21.9B12.C26.o1.gs	Method	GENSCAN
Start	488	End	577
GI	none	Score	.56
Exons	488..577		

Seq. No.	36028	Seq. ID	OJ990528_21.9B12.C28
Gene No.	74284	Strand	-
Start	1	End	688
Name	OJ990528_21.9B12.C28.o1.np	Method	AAT/NAP
Start	1	End	688
GI	4680207	Score	131
Exons	1..32, 89..336, 666..688		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	36028	Seq. ID	OJ990528_21.9B12.C28
Gene No.	74284	Strand	-
Start	1	End	688
Name	OJ990528_21.9B12.C28.o1.gs	Method	GENSCAN
Start	48	End	341
GI	none	Score	.53
Exons	48..341		

Seq. No.	36028	Seq. ID	OJ990528_21.9B12.C28
Gene No.	74284	Strand	-
Start	1	End	688
Name	OJ990528_21.9B12.C28.o1.tm	Method	TBLASTX:Maize
Start	75	End	341
GI	none	Score	60
Exons	75..341, 93..176		

Seq. No.	36028	Seq. ID	OJ990528_21.9B12.C28
Gene No.	74284	Strand	-
Start	1	End	688
Name	OJ990528_21.9B12.C28.o1.tw	Method	TBLASTX:Wheat
Start	105	End	341
GI	none	Score	92
Exons	105..341, 107..307		

Seq. No.	36029	Seq. ID	OJ990528_21.9B12.C29
Gene No.	74285	Strand	-
Start	190	End	442
Name	OJ990528_21.9B12.C29.o1.gs	Method	GENSCAN
Start	190	End	442
GI	none	Score	.43
Exons	190..343, 390..442		

Seq. No.	36030	Seq. ID	OJ990528_21.9B12.C31
Gene No.	74286	Strand	-
Start	850	End	1851
Name	OJ990528_21.9B12.C31.o1.gs	Method	GENSCAN
Start	850	End	1851
GI	none	Score	.57
Exons	850..1081, 1781..1851		

Seq. No.	36030	Seq. ID	OJ990528_21.9B12.C31
Gene No.	74286	Strand	-
Start	850	End	1851
Name	OJ990528_21.9B12.C31.o1.gp	Method	AAT/GAP
Start	1588	End	1699
GI	uC-osflcyp088b12b1	Score	158
Exons	1588..1699		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74287	Strand	+
Start	10738	End	12369
Name	OJ990528_21.9B12.C32.o1.np	Method	AAT/NAP
Start	10738	End	12366
GI	4406767	Score	488
Exons	10738..10788, 11431..12366		
GI Descrip.	(AC006836) putative steroid sulfotransferase [Arabidopsis thaliana]		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74287	Strand	+
Start	10738	End	12369
Name	OJ990528_21.9B12.C32.o3.gp	Method	AAT/GAP

Start	11307	End	11553
GI	2311051	Score	430
Exons	11307..11553		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74287	Strand	+
Start	10738	End	12369
Name	OJ990528_21.9B12.C32.o2.gs	Method	GENSCAN
Start	11338	End	12369
GI	none	Score	1
Exons	11338..12369		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74288	Strand	+
Start	26105	End	26841
Name	OJ990528_21.9B12.C32.o4.gp	Method	AAT/GAP
Start	26105	End	26841
GI	101153_1.R1084	Score	392
Exons	26105..26129, 26599..26841		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74289	Strand	+
Start	27074	End	39369
Name	OJ990528_21.9B12.C32.o6.gs	Method	GENSCAN
Start	27074	End	39369
GI	none	Score	.9
Exons	27074..27120, 27924..27956, 28094..28305, 29579..29666, 30283..30471, 31282..31318, 31736..31847, 31938..32021, 32068..32161, 34602..34647, 34795..39369		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74289	Strand	+
Start	27074	End	39369
Name	OJ990528_21.9B12.C32.o6.gp	Method	AAT/GAP
Start	27817	End	28091
GI	61605_1.R1084	Score	485
Exons	27817..28091		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74289	Strand	+
Start	27074	End	39369
Name	OJ990528_21.9B12.C32.o3.np	Method	
Start	34792	End	39366
GI	4680179	Score	6621
Exons	34792..39366		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74290	Strand	-
Start	2956	End	3068
Name	OJ990528_21.9B12.C32.o1.gp	Method	AAT/GAP
Start	2956	End	3068
GI	uC-osflcyp088b12b1	Score	156

Exons	2956..3068		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74291	Strand	-
Start	13850	End	16091
Name	OJ990528_21.9B12.C32.o3.gs	Method	GENSCAN
Start	13850	End	16091
GI	none	Score	.42
Exons	13850..14106, 14146..14334, 14569..14750, 15895..16091		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74292	Strand	-
Start	20434	End	25758
Name	OJ990528_21.9B12.C32.o7.tm	Method	TBLASTX:Maize
Start	11353	End	12052
GI	none	Score	54
Exons	11353..11385, 11424..11474, 11425..11475, 11464..11661, 11478..11612, 11861..11935, 11975..12052		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74292	Strand	-
Start	20434	End	25758
Name	OJ990528_21.9B12.C32.o1.tc	Method	TBLASTX:Cress
Start	11491	End	12210
GI	none	Score	119
Exons	11491..11643, 11659..11715, 11746..11814, 11842..11955, 11962..12066, 12082..12210		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74292	Strand	-
Start	20434	End	25758
Name	OJ990528_21.9B12.C32.o2.np	Method	AAT/NAP
Start	20434	End	25342
GI	6539553	Score	4831
Exons	20434..23244, 25305..25342		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74292	Strand	-
Start	20434	End	25758
Name	OJ990528_21.9B12.C32.o5.tw	Method	TBLASTX:Wheat
Start	20570	End	21046
GI	none	Score	347
Exons	20570..20956, 20608..20955, 20971..21045, 20975..21046		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74292	Strand	-
Start	20434	End	25758
Name	OJ990528_21.9B12.C32.o6.ts	Method	TBLASTX:Soybean
Start	20698	End	21039
GI	none	Score	83
Exons	20698..20907, 20777..20902, 20926..21039, 20933..21013		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74292	Strand	-
Start	20434	End	25758
Name	OJ990528_21.9B12.C32.o8.tm	Method	TBLASTX:Maize
Start	20902	End	21241
GI	none	Score	200
Exons	20902..21240, 20903..21241		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74292	Strand	-
Start	20434	End	25758
Name	OJ990528_21.9B12.C32.o3.ts	Method	TBLASTX:Soybean
Start	21052	End	21397
GI	none	Score	124
Exons	21052..21396, 21197..21397		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74292	Strand	-
Start	20434	End	25758
Name	OJ990528_21.9B12.C32.o7.tw	Method	TBLASTX:Wheat
Start	21250	End	21795
GI	none	Score	48
Exons	21250..21456, 21260..21382, 21451..21795, 21475..21648		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74292	Strand	-
Start	20434	End	25758
Name	OJ990528_21.9B12.C32.o5.tm	Method	TBLASTX:Maize
Start	21331	End	21796
GI	none	Score	55
Exons	21331..21795, 21434..21544, 21478..21660, 21614..21796		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74292	Strand	-
Start	20434	End	25758
Name	OJ990528_21.9B12.C32.o2.ts	Method	TBLASTX:Soybean
Start	21466	End	21930
GI	5509260	Score	58
Exons	21466..21930, 21485..21544, 21617..21712, 21761..21829		
GI Descrip.	-		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74292	Strand	-
Start	20434	End	25758
Name	OJ990528_21.9B12.C32.o2.tc	Method	TBLASTX:Cress
Start	21577	End	21837
GI	none	Score	286
Exons	21577..21837		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74292	Strand	-
Start	20434	End	25758
Name	OJ990528_21.9B12.C32.o1.tw	Method	TBLASTX:Wheat
Start	21850	End	22605
GI	none	Score	200
Exons	21850..22089, 21851..22009, 21867..22097, 21870..22067,		

22118..22597, 22141..22605

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74292	Strand	-
Start	20434	End	25758
Name	OJ990528_21.9B12.C32.o4.ts	Method	TBLASTX:Soybean
Start	22255	End	22653
GI	none	Score	38
Exons	22255..22428, 22382..22420, 22429..22653, 22475..22645		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74292	Strand	-
Start	20434	End	25758
Name	OJ990528_21.9B12.C32.o9.tm	Method	TBLASTX:Maize
Start	22441	End	22875
GI	none	Score	87
Exons	22441..22875, 22466..22666		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74292	Strand	-
Start	20434	End	25758
Name	OJ990528_21.9B12.C32.o11.tw	Method	TBLASTX:Wheat
Start	22606	End	22798
GI	none	Score	186
Exons	22606..22797, 22606..22797, 22607..22798		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74292	Strand	-
Start	20434	End	25758
Name	OJ990528_21.9B12.C32.o7.ts	Method	TBLASTX:Soybean
Start	22663	End	23049
GI	none	Score	88
Exons	22663..22911, 22894..23049		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74292	Strand	-
Start	20434	End	25758
Name	OJ990528_21.9B12.C32.o10.tm	Method	TBLASTX:Maize
Start	22993	End	23241
GI	none	Score	44
Exons	22993..23055, 23012..23056, 23019..23063, 23067..23210, 23071..23211, 23071..23241, 23078..23239		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74292	Strand	-
Start	20434	End	25758
Name	OJ990528_21.9B12.C32.o5.gs	Method	GENSCAN
Start	24771	End	25758
GI	none	Score	.99
Exons	24771..25308, 25337..25758		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74293	Strand	
Start	35061	End	35601
Name	OJ990528_21.9B12.C32.o10.tw	Method	TBLASTX:Wheat
Start	35061	End	35424
GI	none	Score	297

Exons	35061..35165, 35065..35424, 35190..35423		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74293	Strand	
Start	35061	End	35601
Name	OJ990528_21.9B12.C32.o13.tm	Method	TBLASTX:Maize
Start	35305	End	35601
GI	none	Score	200
Exons	35305..35601, 35322..35492		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74294	Strand	
Start	35947	End	36354
Name	OJ990528_21.9B12.C32.o11.tm	Method	TBLASTX:Maize
Start	35947	End	36267
GI	none	Score	209
Exons	35947..36267		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74294	Strand	
Start	35947	End	36354
Name	OJ990528_21.9B12.C32.o12.tw	Method	TBLASTX:Wheat
Start	36000	End	36354
GI	none	Score	262
Exons	36000..36095, 36001..36354, 36184..36318		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74295	Strand	
Start	36525	End	37434
Name	OJ990528_21.9B12.C32.o6.tw	Method	TBLASTX:Wheat
Start	36525	End	37011
GI	none	Score	538
Exons	36525..36968, 36529..37011		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74295	Strand	
Start	36525	End	37434
Name	OJ990528_21.9B12.C32.o4.tm	Method	TBLASTX:Maize
Start	36594	End	37065
GI	none	Score	385
Exons	36594..36839, 36598..37065, 36685..37032		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74295	Strand	
Start	36525	End	37434
Name	OJ990528_21.9B12.C32.o1.ts	Method	TBLASTX:Soybean
Start	36952	End	37347
GI	none	Score	57
Exons	36952..36984, 36952..36984, 36988..37347, 36995..37129, 37104..37346		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74295	Strand	
Start	36525	End	37434
Name	OJ990528_21.9B12.C32.o8.tw	Method	TBLASTX:Wheat
Start	37060	End	37362
GI	none	Score	397

Exons	37060..37362, 37098..37361		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74295	Strand	
Start	36525	End	37434
Name	OJ990528_21.9B12.C32.o6.tm	Method	TBLASTX:Maize
Start	37081	End	37434
GI	none	Score	325
Exons	37081..37434, 37092..37352		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74296	Strand	
Start	37363	End	37872
Name	OJ990528_21.9B12.C32.o3.tw	Method	TBLASTX:Wheat
Start	37363	End	37872
GI	none	Score	630
Exons	37363..37872, 37363..37782, 37395..37871		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74296	Strand	
Start	37363	End	37872
Name	OJ990528_21.9B12.C32.o8.ts	Method	TBLASTX:Soybean
Start	37372	End	37614
GI	none	Score	197
Exons	37372..37614		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74296	Strand	
Start	37363	End	37872
Name	OJ990528_21.9B12.C32.o2.tm	Method	TBLASTX:Maize
Start	37435	End	37788
GI	none	Score	470
Exons	37435..37788, 37437..37613, 37477..37773		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74297	Strand	
Start	37876	End	39342
Name	OJ990528_21.9B12.C32.o4.tw	Method	TBLASTX:Wheat
Start	37876	End	38355
GI	none	Score	586
Exons	37876..38355, 37894..38349, 37971..38354		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74297	Strand	
Start	37876	End	39342
Name	OJ990528_21.9B12.C32.o3.tc	Method	TBLASTX:Cress
Start	38053	End	38379
GI	none	Score	91
Exons	38053..38235, 38236..38379, 38301..38378		
Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74297	Strand	
Start	37876	End	39342
Name	OJ990528_21.9B12.C32.o5.ts	Method	TBLASTX:Soybean
Start	38143	End	38403
GI	none	Score	299
Exons	38143..38403, 38148..38246, 38335..38403		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74297	Strand	
Start	37876	End	39342
Name	OJ990528_21.9B12.C32.o3.tm	Method	TBLASTX:Maize
Start	38201	End	38493
GI	none	Score	390
Exons	38201..38392, 38203..38493, 38272..38484, 38304..38489		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74297	Strand	
Start	37876	End	39342
Name	OJ990528_21.9B12.C32.o2.tw	Method	TBLASTX:Wheat
Start	38362	End	38988
GI	none	Score	672
Exons	38362..38988, 38418..38987		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74297	Strand	
Start	37876	End	39342
Name	OJ990528_21.9B12.C32.o1.tm	Method	TBLASTX:Maize
Start	38542	End	39129
GI	none	Score	226
Exons	38542..38703, 38548..38694, 38550..38696, 38701..38799, 38701..38769, 38703..38798, 38815..38985, 38860..39129, 38868..39128		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74297	Strand	
Start	37876	End	39342
Name	OJ990528_21.9B12.C32.o9.tw	Method	TBLASTX:Wheat
Start	38988	End	39321
GI	none	Score	360
Exons	38988..39125, 38989..39321		

Seq. No.	36031	Seq. ID	OJ990528_21.9B12.C32
Gene No.	74297	Strand	
Start	37876	End	39342
Name	OJ990528_21.9B12.C32.o12.tm	Method	TBLASTX:Maize
Start	39130	End	39342
GI	none	Score	200
Exons	39130..39342		

Seq. No.	36032	Seq. ID	OJ990528_21.9B12.C34
Gene No.	74298	Strand	-
Start	1	End	344
Name	OJ990528_21.9B12.C34.o1.np	Method	AAT/NAP
Start	1	End	344
GI	6907089	Score	586
Exons	1..344		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	36033	Seq. ID	OJ990528_21.9B12.C35
Gene No.	74299	Strand	+
Start	298	End	411
Name	OJ990528_21.9B12.C35.o1.gs	Method	GENSCAN
Start	298	End	411

GI	none	Score	.58
Exons	298..411		

Seq. No.	36033	Seq. ID	OJ990528_21.9B12.C35
Gene No.	74300	Strand	-
Start	1	End	411
Name	OJ990528_21.9B12.C35.o1.np	Method	AAT/NAP
Start	1	End	411
GI	6539570	Score	225
Exons	1..61, 218..411		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	36033	Seq. ID	OJ990528_21.9B12.C35
Gene No.	74301	Strand	-
Start	547	End	631
Name	OJ990528_21.9B12.C35.o2.np	Method	AAT/NAP
Start	547	End	631
GI	6630699	Score	76
Exons	547..631		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	36034	Seq. ID	OJ990528_21.9B12.C38
Gene No.	74302	Strand	-
Start	1	End	1048
Name	OJ990528_21.9B12.C38.o1.np	Method	AAT/NAP
Start	1	End	1048
GI	6907086	Score	1056
Exons	1..238, 295..1048		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	36034	Seq. ID	OJ990528_21.9B12.C38
Gene No.	74302	Strand	-
Start	1	End	1048
Name	OJ990528_21.9B12.C38.o1.gs	Method	GENSCAN
Start	312	End	845
GI	none	Score	1
Exons	312..845		

Seq. No.	36035	Seq. ID	OJ990528_21.9B12.C40
Gene No.	74303	Strand	+
Start	1	End	2777
Name	OJ990528_21.9B12.C40.o1.np	Method	AAT/NAP
Start	1	End	2777
GI	4680207	Score	866
Exons	1..30, 355..1163, 1664..2777		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	36035	Seq. ID	OJ990528_21.9B12.C40
Gene No.	74303	Strand	+
Start	1	End	2777
Name	OJ990528_21.9B12.C40.o2.tw	Method	TBLASTX:Wheat
Start	355	End	597
GI	none	Score	235
Exons	355..594, 361..597, 395..595		

Seq. No.	36035	Seq. ID	OJ990528_21.9B12.C40
Gene No.	74303	Strand	+
Start	1	End	2777
Name	OJ990528_21.9B12.C40.o1.gs	Method	GENSCAN
Start	361	End	2711
GI	none	Score	.83
Exons	361..1163, 1580..2711		

Seq. No.	36035	Seq. ID	OJ990528_21.9B12.C40
Gene No.	74303	Strand	+
Start	1	End	2777
Name	OJ990528_21.9B12.C40.o2.tm	Method	TBLASTX:Maize
Start	391	End	873
GI	none	Score	182
Exons	391..654, 391..651, 425..658, 648..767, 649..783, 705..782, 716..784, 799..873, 799..852		

Seq. No.	36035	Seq. ID	OJ990528_21.9B12.C40
Gene No.	74303	Strand	+
Start	1	End	2777
Name	OJ990528_21.9B12.C40.o1.gp	Method	AAT/GAP
Start	1704	End	2229
GI	27741_1.R1084	Score	968
Exons	1704..2229		
GI Descrip.	'4680207/gb\|AAD27570.1\|AF114171_11 7.0e-43 (AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]'		

Seq. No.	36035	Seq. ID	OJ990528_21.9B12.C40
Gene No.	74303	Strand	+
Start	1	End	2777
Name	OJ990528_21.9B12.C40.o1.ts	Method	TBLASTX:Soybean
Start	1719	End	2309
GI	none	Score	72
Exons	1719..1796, 1775..1954, 1797..2123, 2133..2210, 2160..2309		

Seq. No.	36035	Seq. ID	OJ990528_21.9B12.C40
Gene No.	74303	Strand	+
Start	1	End	2777
Name	OJ990528_21.9B12.C40.o1.tm	Method	TBLASTX:Maize
Start	1735	End	2315
GI	none	Score	80
Exons	1735..1776, 1787..1894, 1818..1901, 1964..2110, 1968..2114, 2142..2213, 2232..2315		

Seq. No.	36035	Seq. ID	OJ990528_21.9B12.C40
Gene No.	74303	Strand	+
Start	1	End	2777
Name	OJ990528_21.9B12.C40.o1.tw	Method	TBLASTX:Wheat
Start	1817	End	2107
GI	none	Score	100
Exons	1817..1894, 1818..1895, 1898..2107, 1899..2105		

Seq. No.	36035	Seq. ID	OJ990528_21.9B12.C40
Gene No.	74303	Strand	+
Start	1	End	2777
Name	OJ990528_21.9B12.C40.o3.tw	Method	TBLASTX:Wheat

Start	2142	End	2537
GI	none	Score	78
Exons	2142..2219, 2205..2276, 2226..2315, 2369..2395, 2373..2465, 2475..2537		

Seq. No.	36036	Seq. ID	OJ990528_21.9B12.C41
Gene No.	74304	Strand	+
Start	84	End	183
Name	OJ990528_21.9B12.C41.o1.gs	Method	GENSCAN
Start	84	End	183
GI	none	Score	.51
Exons	84..183		

Seq. No.	36037	Seq. ID	OJ990528_21.9B12.C42
Gene No.	74305	Strand	-
Start	268	End	349
Name	OJ990528_21.9B12.C42.o1.np	Method	AAT/NAP
Start	268	End	349
GI	42890	Score	95
Exons	268..349		
GI Descrip.	(X56780) transposase (Tn1000) [Escherichia coli]		

Seq. No.	36038	Seq. ID	OJ990528_21.9B12.C44
Gene No.	74306	Strand	
Start	80	End	615
Name	OJ990528_21.9B12.C44.o1.ts	Method	TBLASTX:Soybean
Start	80	End	489
GI	none	Score	76
Exons	80..190, 82..186, 171..212, 172..216, 237..404, 238..489		

Seq. No.	36038	Seq. ID	OJ990528_21.9B12.C44
Gene No.	74306	Strand	
Start	80	End	615
Name	OJ990528_21.9B12.C44.o1.tw	Method	TBLASTX:Wheat
Start	253	End	615
GI	none	Score	177
Exons	253..615, 264..332		

Seq. No.	36039	Seq. ID	OJ990528_21.9B12.C45
Gene No.	74307	Strand	+
Start	1	End	1169
Name	OJ990528_21.9B12.C45.o1.np	Method	AAT/NAP
Start	1	End	1163
GI	4544372	Score	416
Exons	1..1163		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	36039	Seq. ID	OJ990528_21.9B12.C45
Gene No.	74307	Strand	+
Start	1	End	1169
Name	OJ990528_21.9B12.C45.o1.tm	Method	TBLASTX:Maize
Start	6	End	350
GI	none	Score	187
Exons	6..350		

Seq. No.	36039	Seq. ID	OJ990528_21.9B12.C45

Gene No.	74307	Strand	+
Start	1	End	1169
Name	OJ990528_21.9B12.C45.o2.ts	Method	TBLASTX:Soybean
Start	93	End	380
GI	none	Score	196
Exons	93..380		

Seq. No.	36039	Seq. ID	OJ990528_21.9B12.C45
Gene No.	74307	Strand	+
Start	1	End	1169
Name	OJ990528_21.9B12.C45.o1.ts	Method	TBLASTX:Soybean
Start	924	End	1169
GI	none	Score	213
Exons	924..1169, 935..1054, 1079..1165		

Seq. No.	36040	Seq. ID	OJ990528_21.9B12.C49
Gene No.	74308	Strand	+
Start	335	End	669
Name	OJ990528_21.9B12.C49.o1.gs	Method	GENSCAN
Start	335	End	669
GI	none	Score	.42
Exons	335..669		

Seq. No.	36041	Seq. ID	OJ990528_21.9B12.C52
Gene No.	74309	Strand	+
Start	1	End	604
Name	OJ990528_21.9B12.C52.o1.np	Method	AAT/NAP
Start	1	End	604
GI	4539660	Score	790
Exons	1..604		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	36041	Seq. ID	OJ990528_21.9B12.C52
Gene No.	74309	Strand	+
Start	1	End	604
Name	OJ990528_21.9B12.C52.o1.tm	Method	TBLASTX:Maize
Start	59	End	361
GI	none	Score	426
Exons	59..361, 61..306, 165..356		

Seq. No.	36041	Seq. ID	OJ990528_21.9B12.C52
Gene No.	74309	Strand	+
Start	1	End	604
Name	OJ990528_21.9B12.C52.o1.gs	Method	GENSCAN
Start	78	End	553
GI	none	Score	.58
Exons	78..169, 299..553		

Seq. No.	36041	Seq. ID	OJ990528_ .9B12.C52
Gene No.	74309	Strand	+
Start	1	End	604
Name	OJ990528_21.9B12.C52.o1.tw	Method	TBLASTX:Wheat
Start	86	End	604
GI	none	Score	595
Exons	86..604, 142..603		

Seq. No.	36041	Seq. ID	OJ990528_21.9B12.C52

Gene No.	74309	Strand	+
Start	1	End	604
Name	OJ990528_21.9B12.C52.o2.tm	Method	TBLASTX:Maize
Start	367	End	604
GI	none	Score	260
Exons	367..603, 368..604		

Seq. No.	36042	Seq. ID	OJ990528_21.9B12.C53
Gene No.	74310	Strand	+
Start	1	End	188
Name	OJ990528_21.9B12.C53.o1.np	Method	AAT/NAP
Start	1	End	185
GI	4680179	Score	262
Exons	1..185		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36042	Seq. ID	OJ990528_21.9B12.C53
Gene No.	74310	Strand	+
Start	1	End	188
Name	OJ990528_21.9B12.C53.o1.gs	Method	GENSCAN
Start	27	End	188
GI	none	Score	.84
Exons	27..188		

Seq. No.	36043	Seq. ID	OJ990528_21.9B12.C57
Gene No.	74311	Strand	+
Start	152	End	727
Name	OJ990528_21.9B12.C57.o1.gs	Method	GENSCAN
Start	152	End	727
GI	none	Score	.7
Exons	152..207, 568..727		

Seq. No.	36044	Seq. ID	OJ990528_21.9B12.C58
Gene No.	74312	Strand	+
Start	141	End	520
Name	OJ990528_21.9B12.C58.o1.gp	Method	AAT/GAP
Start	141	End	520
GI	uC-osflcyp033a04b1	Score	633
Exons	141..520		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	36044	Seq. ID	OJ990528_21.9B12.C58
Gene No.	74313	Strand	-
Start	74	End	1297
Name	OJ990528_21.9B12.C58.o1.np	Method	AAT/NAP
Start	74	End	1297
GI	4680186	Score	294
Exons	74..272, 1105..1297		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	36044	Seq. ID	OJ990528_21.9B12.C58
Gene No.	74313	Strand	-
Start	74	End	1297
Name	OJ990528_21.9B12.C58.o1.gs	Method	GENSCAN
Start	121	End	422
GI	none	Score	.61

Exons	121..272, 369..422		
Seq. No.	36045	Seq. ID	OJ990528_21.9B12.C59
Gene No.	74314	Strand	+
Start	1	End	1369
Name	OJ990528_21.9B12.C59.o1.np	Method	AAT/NAP
Start	1	End	1369
GI	4680179	Score	1063
Exons	1..975, 1009..1369		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	36045	Seq. ID	OJ990528_21.9B12.C59
Gene No.	74314	Strand	+
Start	1	End	1369
Name	OJ990528_21.9B12.C59.o1.gs	Method	GENSCAN
Start	58	End	1087
GI	none	Score	.84
Exons	58..1087		
Seq. No.	36045	Seq. ID	OJ990528_21.9B12.C59
Gene No.	74314	Strand	+
Start	1	End	1369
Name	OJ990528_21.9B12.C59.o2.tw	Method	TBLASTX:Wheat
Start	76	End	335
GI	none	Score	207
Exons	76..123, 136..333, 138..335		
Seq. No.	36045	Seq. ID	OJ990528_21.9B12.C59
Gene No.	74314	Strand	+
Start	1	End	1369
Name	OJ990528_21.9B12.C59.o1.tw	Method	TBLASTX:Wheat
Start	369	End	720
GI	none	Score	289
Exons	369..563, 370..720		
Seq. No.	36045	Seq. ID	OJ990528_21.9B12.C59
Gene No.	74314	Strand	+
Start	1	End	1369
Name	OJ990528_21.9B12.C59.o1.tm	Method	TBLASTX:Maize
Start	370	End	675
GI	none	Score	228
Exons	370..675, 384..500		
Seq. No.	36045	Seq. ID	OJ990528_21.9B12.C59
Gene No.	74314	Strand	+
Start	1	End	1369
Name	OJ990528_21.9B12.C59.o3.tw	Method	TBLASTX:Wheat
Start	1036	End	1369
GI	none	Score	139
Exons	1036..1203, 1092..1232, 1289..1369, 1290..1367		
Seq. No.	36046	Seq. ID	OJ990528_21.9B12.C60
Gene No.	74315	Strand	-
Start	358	End	509
Name	OJ990528_21.9B12.C60.o1.gs	Method	GENSCAN
Start	358	End	509
GI	none	Score	.81

Exons	358..509		
Seq. No.	36047	Seq. ID	OJ990528_21.9B12.C62
Gene No.	74316	Strand	+
Start	1	End	902
Name	OJ990528_21.9B12.C62.o1.np	Method	AAT/NAP
Start	1	End	902
GI	6539553	Score	1355
Exons	1..902		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	36047	Seq. ID	OJ990528_21.9B12.C62
Gene No.	74316	Strand	+
Start	1	End	902
Name	OJ990528_21.9B12.C62.o1.gs	Method	GENSCAN
Start	14	End	786
GI	none	Score	.52
Exons	14..127, 189..407, 642..786		
Seq. No.	36047	Seq. ID	OJ990528_21.9B12.C62
Gene No.	74316	Strand	+
Start	1	End	902
Name	OJ990528_21.9B12.C62.o1.tm	Method	TBLASTX:Maize
Start	627	End	902
GI	none	Score	328
Exons	627..902, 628..900, 647..901		
Seq. No.	36048	Seq. ID	OJ990528_21.9B12.C63
Gene No.	74317	Strand	+
Start	61	End	645
Name	OJ990528_21.9B12.C63.o1.gs	Method	GENSCAN
Start	61	End	645
GI	none	Score	.79
Exons	61..68, 158..222, 268..549, 638..645		
Seq. No.	36048	Seq. ID	OJ990528_21.9B12.C63
Gene No.	74318	Strand	-
Start	140	End	596
Name	OJ990528_21.9B12.C63.o1.np	Method	AAT/NAP
Start	140	End	596
GI	6721560	Score	151
Exons	140..430, 484..596		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815085\|dbj\|BAA90371.1\| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	36049	Seq. ID	OJ990528_21.9B12.C64
Gene No.	74319	Strand	+
Start	79	End	274
Name	OJ990528_21.9B12.C64.o1.gs	Method	GENSCAN
Start	79	End	274
GI	none	Score	.42
Exons	79..274		

Seq. No.	36050	Seq. ID	OJ990528_21.9B12.C68
Gene No.	74320	Strand	-
Start	476	End	1407
Name	OJ990528_21.9B12.C68.o1.gs	Method	GENSCAN
Start	476	End	1363
GI	none	Score	.98
Exons	476..1108, 1199..1363		

Seq. No.	36050	Seq. ID	OJ990528_21.9B12.C68
Gene No.	74320	Strand	-
Start	476	End	1407
Name	OJ990528_21.9B12.C68.o2.tm	Method	TBLASTX:Maize
Start	503	End	658
GI	none	Score	153
Exons	503..658, 530..658		

Seq. No.	36050	Seq. ID	OJ990528_21.9B12.C68
Gene No.	74320	Strand	-
Start	476	End	1407
Name	OJ990528_21.9B12.C68.o1.np	Method	AAT/NAP
Start	509	End	980
GI	2244965	Score	141
Exons	509..980		
GI Descrip.	(Z97340) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36050	Seq. ID	OJ990528_21.9B12.C68
Gene No.	74320	Strand	-
Start	476	End	1407
Name	OJ990528_21.9B12.C68.o1.tm	Method	TBLASTX:Maize
Start	941	End	1407
GI	none	Score	36
Exons	941..976, 943..993, 992..1063, 996..1094, 998..1096, 1021..1095, 1193..1369, 1198..1371, 1199..1363, 1309..1407		

Seq. No.	36051	Seq. ID	OJ990528_21.9B12.C69
Gene No.	74321	Strand	-
Start	1	End	1225
Name	OJ990528_21.9B12.C69.o1.np	Method	AAT/NAP
Start	1	End	1225
GI	2244965	Score	364
Exons	1..135, 938..1225		
GI Descrip.	(Z97340) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36051	Seq. ID	OJ990528_21.9B12.C69
Gene No.	74321	Strand	-
Start	1	End	1225
Name	OJ990528_21.9B12.C69.o1.ts	Method	TBLASTX:Soybean
Start	31	End	1210
GI	none	Score	74
Exons	31..147, 34..159, 932..1210, 938..1093, 942..1205		

Seq. No.	36051	Seq. ID	OJ990528_21.9B12.C69
Gene No.	74321	Strand	-
Start	1	End	1225
Name	OJ990528_21.9B12.C69.o1.gs	Method	GENSCAN
Start	33	End	1207
GI	none	Score	.88

Exons	33..135, 938..1207		
Seq. No.	36051	Seq. ID	OJ990528_21.9B12.C69
Gene No.	74321	Strand	-
Start	1	End	1225
Name	OJ990528_21.9B12.C69.o1.tm	Method	TBLASTX:Maize
Start	947	End	1213
GI	none	Score	177
Exons	947..1213, 984..1211		
Seq. No.	36052	Seq. ID	OJ990528_21.9B12.C70
Gene No.	74322	Strand	-
Start	93	End	757
Name	OJ990528_21.9B12.C70.o1.gs	Method	GENSCAN
Start	93	End	757
GI	none	Score	1
Exons	93..374, 700..757		
Seq. No.	36053	Seq. ID	OJ990528_21.9B12.C71
Gene No.	74323	Strand	+
Start	33	End	447
Name	OJ990528_21.9B12.C71.o1.gs	Method	GENSCAN
Start	33	End	447
GI	none	Score	.67
Exons	33..191, 232..447		
Seq. No.	36054	Seq. ID	OJ990528_21.9B12.C73
Gene No.	74324	Strand	-
Start	1	End	874
Name	OJ990528_21.9B12.C73.o1.np	Method	AAT/NAP
Start	1	End	874
GI	5042454	Score	1291
Exons	1..874		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	36054	Seq. ID	OJ990528_21.9B12.C73
Gene No.	74324	Strand	-
Start	1	End	874
Name	OJ990528_21.9B12.C73.o1.gs	Method	GENSCAN
Start	88	End	839
GI	none	Score	.53
Exons	88..223, 295..468, 523..839		
Seq. No.	36054	Seq. ID	OJ990528_21.9B12.C73
Gene No.	74324	Strand	-
Start	1	End	874
Name	OJ990528_21.9B12.C73.o1.tw	Method	TBLASTX:Wheat
Start	213	End	467
GI	none	Score	58
Exons	213..386, 241..402, 369..467, 370..462		
Seq. No.	36055	Seq. ID	OJ990528_21.9B12.C75
Gene No.	74325	Strand	+
Start	1	End	317
Name	OJ990528_21.9B12.C75.o1.np	Method	AAT/NAP
Start	1	End	317
GI	6498441	Score	349

Exons	1..317		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	36055	Seq. ID	OJ990528_21.9B12.C75
Gene No.	74326	Strand	-
Start	23	End	316
Name	OJ990528_21.9B12.C75.o1.gs	Method	GENSCAN
Start	23	End	196
GI	none	Score	.75
Exons	23..196		
Seq. No.	36055	Seq. ID	OJ990528_21.9B12.C75
Gene No.	74326	Strand	-
Start	23	End	316
Name	OJ990528_21.9B12.C75.o1.tm	Method	TBLASTX:Maize
Start	74	End	316
GI	none	Score	238
Exons	74..316, 103..315		
Seq. No.	36055	Seq. ID	OJ990528_21.9B12.C75
Gene No.	74326	Strand	-
Start	23	End	316
Name	OJ990528_21.9B12.C75.o1.tw	Method	TBLASTX:Wheat
Start	95	End	316
GI	none	Score	208
Exons	95..316, 112..291		
Seq. No.	36056	Seq. ID	OJ990528_21.9B12.C77
Gene No.	74327	Strand	+
Start	12	End	517
Name	OJ990528_21.9B12.C77.o1.gs	Method	GENSCAN
Start	12	End	517
GI	none	Score	.4
Exons	12..14, 113..517		
Seq. No.	36057	Seq. ID	OJ990528_21.9B12.C79
Gene No.	74328	Strand	-
Start	170	End	304
Name	OJ990528_21.9B12.C79.o1.gs	Method	GENSCAN
Start	170	End	304
GI	none	Score	.87
Exons	170..304		
Seq. No.	36058	Seq. ID	OJ990528_21.9B12.C81
Gene No.	74329	Strand	+
Start	7	End	130
Name	OJ990528_21.9B12.C81.o1.gs	Method	GENSCAN
Start	7	End	130
GI	none	Score	.99
Exons	7..130		
Seq. No.	36059	Seq. ID	OJ990528_21.9B12.C84
Gene No.	74330	Strand	-
Start	406	End	754
Name	OJ990528_21.9B12.C84.o1.gs	Method	GENSCAN

Start	406	End	754
GI	none	Score	.57
Exons	406..563, 737..754		

Seq. No.	36060	Seq. ID	OJ990528_21.9B12.C86
Gene No.	74331	Strand	+
Start	1	End	402
Name	OJ990528_21.9B12.C86.o1.np	Method	AAT/NAP
Start	1	End	402
GI	5441880	Score	151
Exons	1..37, 286..402		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	36061	Seq. ID	OJ990528_21.9B12.C89
Gene No.	74332	Strand	-
Start	278	End	513
Name	OJ990528_21.9B12.C89.o1.gs	Method	GENSCAN
Start	278	End	513
GI	none	Score	.7
Exons	278..385, 454..513		

Seq. No.	36062	Seq. ID	OJ990528_21.9B12.C91
Gene No.	74333	Strand	-
Start	197	End	456
Name	OJ990528_21.9B12.C91.o1.gs	Method	GENSCAN
Start	197	End	456
GI	none	Score	.5
Exons	197..456		

Seq. No.	36063	Seq. ID	OJ990528_21.9B12.C92
Gene No.	74334	Strand	+
Start	380	End	623
Name	OJ990528_21.9B12.C92.o1.np	Method	AAT/NAP
Start	380	End	623
GI	4539447	Score	78
Exons	380..623		
GI Descrip.	(AL049523) retrotransposon like protein [Arabidopsis thaliana]		

Seq. No.	36063	Seq. ID	OJ990528_21.9B12.C92
Gene No.	74335	Strand	-
Start	93	End	228
Name	OJ990528_21.9B12.C92.o1.gs	Method	GENSCAN
Start	93	End	228
GI	none	Score	.87
Exons	93..228		

Seq. No.	36063	Seq. ID	OJ990528_21.9B12.C92
Gene No.	74336	Strand	
Start	261	End	557
Name	OJ990528_21.9B12.C92.o1.tm	Method	TBLASTX:Maize
Start	261	End	557
GI	none	Score	89
Exons	261..335, 262..342, 263..346, 334..537, 356..553, 371..553, 378..557		

Seq. No.	36064	Seq. ID	OJ990528_21.9B12.C95
Gene No.	74337	Strand	+
Start	1	End	83
Name	OJ990528_21.9B12.C95.o1.np	Method	AAT/NAP
Start	1	End	83
GI	5091513	Score	151
Exons	1..83		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	36065	Seq. ID	OJ990528_21.9B12.C99
Gene No.	74338	Strand	-
Start	80	End	415
Name	OJ990528_21.9B12.C99.o1.gs	Method	GENSCAN
Start	80	End	415
GI	none	Score	.57
Exons	80..415		

Seq. No.	36066	Seq. ID	OJ990528_21.9B12.C100
Gene No.	74339	Strand	+
Start	1	End	93
Name	OJ990528_21.9B12.C100.o1.np	Method	AAT/NAP
Start	1	End	93
GI	4680179	Score	104
Exons	1..93		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36067	Seq. ID	OJ990528_21.9B12.C101
Gene No.	74340	Strand	-
Start	1	End	976
Name	OJ990528_21.9B12.C101.o1.np	Method	AAT/NAP
Start	1	End	789
GI	4680203	Score	657
Exons	1..789		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	36067	Seq. ID	OJ990528_21.9B12.C101
Gene No.	74340	Strand	-
Start	1	End	976
Name	OJ990528_21.9B12.C101.o1.gs	Method	GENSCAN
Start	11	End	823
GI	none	Score	.54
Exons	11..568, 763..823		

Seq. No.	36067	Seq. ID	OJ990528_21.9B12.C101
Gene No.	74340	Strand	-
Start	1	End	976
Name	OJ990528_21.9B12.C101.o1.tw	Method	TBLASTX:Wheat
Start	22	End	976
GI	none	Score	130
Exons	22..180, 31..108, 32..118, 33..179, 159..218, 225..269, 226..777, 236..409, 309..764, 761..976, 762..971		

Seq. No.	36067	Seq. ID	OJ990528_21.9B12.C101
Gene No.	74340	Strand	-
Start	1	End	976
Name	OJ990528_21.9B12.C101.o1.tc	Method	TBLASTX:Cress
Start	443	End	890

GI	none	Score	125
Exons	443..691, 444..683, 444..764, 448..777, 761..886, 762..890, 762..890		

Seq. No.	36068	Seq. ID	OJ990528_21.9B12.C104
Gene No.	74341	Strand	-
Start	1	End	449
Name	OJ990528_21.9B12.C104.o1.np	Method	AAT/NAP
Start	1	End	449
GI	6539586	Score	112
Exons	1..312, 426..449		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	36068	Seq. ID	OJ990528_21.9B12.C104
Gene No.	74341	Strand	-
Start	1	End	449
Name	OJ990528_21.9B12.C104.o1.gs	Method	GENSCAN
Start	48	End	317
GI	none	Score	.52
Exons	48..317		

Seq. No.	36069	Seq. ID	OJ990528_21.9B12.C105
Gene No.	74342	Strand	+
Start	1	End	674
Name	OJ990528_21.9B12.C105.o1.np	Method	AAT/NAP
Start	1	End	674
GI	5042463	Score	133
Exons	1..205, 622..674		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	36070	Seq. ID	OJ990528_21.9B12.C108
Gene No.	74343	Strand	+
Start	1	End	490
Name	OJ990528_21.9B12.C108.o1.np	Method	AAT/NAP
Start	1	End	490
GI	6466937	Score	267
Exons	1..490		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	36070	Seq. ID	OJ990528_21.9B12.C108
Gene No.	74343	Strand	+
Start	1	End	490
Name	OJ990528_21.9B12.C108.o1.gs	Method	GENSCAN
Start	53	End	418
GI	none	Score	.89
Exons	53..418		

Seq. No.	36070	Seq. ID	OJ990528_21.9B12.C108
Gene No.	74343	Strand	+
Start	1	End	490
Name	OJ990528_21.9B12.C108.o1.tm	Method	TBLASTX:Maize
Start	194	End	429
GI	none	Score	232
Exons	194..382, 197..388, 223..384, 373..429		

Seq. No.	36070	Seq. ID	OJ990528_21.9B12.C108

Gene No.	74343	Strand	+
Start	1	End	490
Name	OJ990528_21.9B12.C108.o1.ts	Method	TBLASTX:Soybean
Start	250	End	489
GI	none	Score	110
Exons	250..384, 260..385, 373..489, 387..488		

Seq. No.	36071	Seq. ID	OJ990528_20.9B10.C1
Gene No.	74344	Strand	-
Start	1	End	676
Name	OJ990528_20.9B10.C1.o1.np	Method	AAT/NAP
Start	1	End	676
GI	2498930	Score	679
Exons	1..384, 552..676		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	36072	Seq. ID	OJ990528_20.9B10.C3
Gene No.	74345	Strand	-
Start	386	End	11328
Name	OJ990528_20.9B10.C3.o1.gs	Method	GENSCAN
Start	386	End	11263
GI	none	Score	64
Exons	386..588, 944..1032, 1884..1954, 3739..4027, 4174..4265, 4362..4488, 4597..4678, 4761..4891, 4965..5058, 5132..5408, 5514..5679, 6077..7703, 7731..8708, 8819..10207, 10294..10428, 10516..10700, 11112..11263		

Seq. No.	36072	Seq. ID	OJ990528_20.9B10.C3
Gene No.	74345	Strand	-
Start	386	End	11328
Name	OJ990528_20.9B10.C3.o1.np	Method	AAT/NAP
Start	5801	End	11328
GI	6815072	Score	3670
Exons	5801..8007, 8422..8708, 8819..9530, 9639..9974, 10073..10180, 11290..11328		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	36072	Seq. ID	OJ990528_20.9B10.C3
Gene No.	74345	Strand	-
Start	386	End	11328
Name	OJ990528_20.9B10.C3.o1.ts	Method	TBLASTX:Soybean
Start	5894	End	6043
GI	none	Score	84
Exons	5894..6043, 5895..6029		

Seq. No.	36072	Seq. ID	OJ990528_20.9B10.C3
Gene No.	74345	Strand	-
Start	386	End	11328
Name	OJ990528_20.9B10.C3.o2.np	Method	AAT/NAP
Start	5948	End	11328
GI	4406798	Score	1726
Exons	5948..6864, 6949..7439, 7521..7833, 7894..8109, 8146..8708, 8834..9176, 9240..9788, 10008..10161, 11290..11328		
GI Descrip.	(AC006304) putative helicase [Arabidopsis thaliana]		

Seq. No.	36072	Seq. ID	OJ990528_20.9B10.C3
Gene No.	74345	Strand	-
Start	386	End	11328
Name	OJ990528_20.9B10.C3.o4.tm	Method	TBLASTX:Maize
Start	6002	End	6321
GI	none	Score	113
Exons	6002..6067, 6100..6321, 6101..6319		

Seq. No.	36072	Seq. ID	OJ990528_20.9B10.C3
Gene No.	74345	Strand	-
Start	386	End	11328
Name	OJ990528_20.9B10.C3.o1.tc	Method	TBLASTX:Cress
Start	6067	End	6324
GI	none	Score	69
Exons	6067..6324, 6110..6313		

Seq. No.	36072	Seq. ID	OJ990528_20.9B10.C3
Gene No.	74345	Strand	-
Start	386	End	11328
Name	OJ990528_20.9B10.C3.o2.tm	Method	TBLASTX:Maize
Start	6628	End	6996
GI	none	Score	128
Exons	6628..6996, 6629..6979		

Seq. No.	36072	Seq. ID	OJ990528_20.9B10.C3
Gene No.	74345	Strand	-
Start	386	End	11328
Name	OJ990528_20.9B10.C3.o1.tm	Method	TBLASTX:Maize
Start	8644	End	9135
GI	none	Score	66
Exons	8644..8709, 8648..8701, 8829..8933, 8943..9134, 8944..9135		

Seq. No.	36072	Seq. ID	OJ990528_20.9B10.C3
Gene No.	74345	Strand	-
Start	386	End	11328
Name	OJ990528_20.9B10.C3.o1.tw	Method	TBLASTX:Wheat
Start	8853	End	9179
GI	none	Score	81
Exons	8853..8930, 8928..9179, 8959..9105		

Seq. No.	36072	Seq. ID	OJ990528_20.9B10.C3
Gene No.	74345	Strand	-
Start	386	End	11328
Name	OJ990528_20.9B10.C3.o3.tm	Method	TBLASTX:Maize
Start	9354	End	9890
GI	none	Score	66
Exons	9354..9722, 9388..9453, 9563..9646, 9678..9704, 9750..9821, 9831..9890		

Seq. No.	36073	Seq. ID	OJ990528_20.9B10.C4
Gene No.	74346	Strand	+
Start	257	End	2179
Name	OJ990528_20.9B10.C4.o1.gs	Method	GENSCAN
Start	257	End	2179
GI	none	Score	.53
Exons	257..334, 1961..2179		

Seq. No.	36073	Seq. ID	OJ990528_20.9B10.C4
Gene No.	74346	Strand	+
Start	257	End	2179
Name	OJ990528_20.9B10.C4.o1.np	Method	AAT/NAP
Start	910	End	1799
GI	5902448	Score	822
Exons	910..1799		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74347	Strand	+
Start	3309	End	16323
Name	OJ990528_20.9B10.C5.o1.np	Method	AAT/NAP
Start	3309	End	15305
GI	6630459	Score	102
Exons	3309..3372, 6451..6559, 8429..8495, 15123..15305		
GI Descrip.	(AC007190) F23N19.12 [Arabidopsis thaliana]		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74347	Strand	+
Start	3309	End	16323
Name	OJ990528_20.9B10.C5.o3.gs	Method	GENSCAN
Start	12169	End	16323
GI	none	Score	.75
Exons	12169..12423, 12750..12835, 12909..12993, 15549..15629, 15721..15807, 15865..16323		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74348	Strand	+
Start	23562	End	27148
Name	OJ990528_20.9B10.C5.o6.gs	Method	GENSCAN
Start	23562	End	27148
GI	none	Score	.81
Exons	23562..23690, 24701..24965, 24992..25742, 25865..25943, 26027..27148		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74349	Strand	+
Start	29718	End	32241
Name	OJ990528_20.9B10.C5.o7.gs	Method	GENSCAN
Start	29718	End	32241
GI	none	Score	.41
Exons	29718..29874, 29897..30073, 30164..30218, 30264..30437, 30677..30786, 31508..31558, 31771..31872, 32213..32241		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74350	Strand	+
Start	35404	End	38877
Name	OJ990528_20.9B10.C5.o5.np	Method	AAT/NAP
Start	35404	End	38745
GI	6093744	Score	1337
Exons	35404..35571, 35674..35858, 35889..36454, 38021..38391, 38419..38745		
GI Descrip.	PECTINESTERASE PPE8B PRECURSOR (PECTIN METHYLESTERASE) (PE) gi\|1213629\|emb\|CAA65237\| (X95991) pectinesterase [Prunus persica]		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74350	Strand	+
Start	35404	End	38877
Name	OJ990528_20.9B10.C5.o9.gs	Method	GENSCAN
Start	35509	End	38748
GI	none	Score	.79
Exons	35509..36454, 38021..38748		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74350	Strand	+
Start	35404	End	38877
Name	OJ990528_20.9B10.C5.o4.gp	Method	AAT/GAP
Start	38274	End	38877
GI	5607338	Score	1046
Exons	38274..38877		
GI Descrip.	1279602/emb\|CAA96436\| 3.0e-14 (Z71754) pectin methylesterase [Nicotiana plumbaginifolia]		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74351	Strand	+
Start	39038	End	39682
Name	OJ990528_20.9B10.C5.o5.gp	Method	AAT/GAP
Start	39038	End	39682
GI	38333_1.R1084	Score	1250
Exons	39038..39682		
GI Descrip.	'2239262/emb\|CAA73733\| 4.0e-48 (Y13285) pectin methylesterase-like protein [Zea mays]'		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74352	Strand	+
Start	44553	End	46215
Name	OJ990528_20.9B10.C5.o11.gs	Method	GENSCAN
Start	44553	End	46215
GI	none	Score	.46
Exons	44553..44678, 45507..46106, 46195..46215		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74353	Strand	+
Start	46693	End	49514
Name	OJ990528_20.9B10.C5.o12.gs	Method	GENSCAN
Start	46693	End	49514
GI	none	Score	.42
Exons	46693..46782, 47085..47210, 47299..47585, 49084..49294, 49443..49514		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74354	Strand	+
Start	51916	End	52122
Name	OJ990528_20.9B10.C5.o13.gs	Method	GENSCAN
Start	51916	End	52122
GI	none	Score	.73
Exons	51916..52122		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74355	Strand	-
Start	12299	End	12845
Name	OJ990528_20.9B10.C5.o2.gp	Method	AAT/GAP

Start	12299	End	12845
GI	4881101	Score	775
Exons	12299..12385, 12491..12845		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74356	Strand	-
Start	16853	End	17642
Name	OJ990528_20.9B10.C5.o2.np	Method	AAT/NAP
Start	16853	End	17642
GI	4680183	Score	196
Exons	16853..16942, 17553..17642		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74357	Strand	-
Start	21099	End	21646
Name	OJ990528_20.9B10.C5.o5.gs	Method	GENSCAN
Start	21099	End	21646
GI	none	Score	.87
Exons	21099..21235, 21517..21646		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74358	Strand	-
Start	28177	End	28392
Name	OJ990528_20.9B10.C5.o3.gp	Method	AAT/GAP
Start	28177	End	28392
GI	5851104	Score	432
Exons	28177..28392		
GI Descrip.	5441876/dbj\|AP000367.1\|AP000367 2.0e-10 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74359	Strand	-
Start	31042	End	31521
Name	OJ990528_20.9B10.C5.o4.np	Method	AAT/NAP
Start	31042	End	31521
GI	6069646	Score	207
Exons	31042..31521		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129 Similar to Arabidopsis thaliana chromosome II BAC F9O13 genom sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74360	Strand	-
Start	36164	End	52161
Name	OJ990528_20.9B10.C5.o3.tw	Method	TBLASTX:Wheat
Start	31060	End	31461
GI	none	Score	114
Exons	31060..31233, 31312..31461		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74360	Strand	-
Start	36164	End	52161
Name	OJ990528_20.9B10.C5.o2.tm	Method	TBLASTX:Maize
Start	31249	End	31530

GI	none	Score	118
Exons	31249..31530, 31331..31528		
Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74360	Strand	-
Start	36164	End	52161
Name	OJ990528_20.9B10.C5.o1.ts	Method	TBLASTX:Soybean
Start	35899	End	40758
GI	none	Score	129
Exons	35899..36111, 36130..36177, 36208..36450, 36291..36449, 37959..38372, 38008..38388, 38425..38742, 38439..38741, 39154..39453, 39218..39421, 39478..39837, 39482..39838, 39920..40090, 39947..40084, 39954..40085, 40702..40758		
Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74360	Strand	-
Start	36164	End	52161
Name	OJ990528_20.9B10.C5.o1.tm	Method	TBLASTX:Maize
Start	35929	End	40782
GI	none	Score	58
Exons	35929..35991, 36097..36117, 36133..36177, 36208..36450, 36294..36380, 38008..38391, 38028..38357, 38440..38631, 38446..38502, 38589..38717, 38590..38754, 39122..39268, 39145..39375, 39146..39376, 39253..39843, 39263..39844, 39872..40087, 39926..40090, 39957..40091, 40177..40260, 40181..40282, 40183..40317, 40297..40377, 40589..40762, 40592..40774, 40615..40779, 40615..40782		
Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74360	Strand	-
Start	36164	End	52161
Name	OJ990528_20.9B10.C5.o1.tc	Method	TBLASTX:Cress
Start	36082	End	40758
GI	none	Score	58
Exons	36082..36177, 36196..36453, 36294..36452, 38008..38391, 38019..38366, 38442..38738, 38443..38739, 39154..39450, 39233..39445, 39478..39849, 39509..39850, 39932..40090, 39957..40091, 40181..40261, 40183..40278, 40651..40758		
Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74360	Strand	-
Start	36164	End	52161
Name	OJ990528_20.9B10.C5.o2.tw	Method	TBLASTX:Wheat
Start	36157	End	40332
GI	none	Score	187
Exons	36157..36453, 39914..40087, 39932..40087, 39966..40094, 40189..40266, 40195..40332, 40202..40279		
Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74360	Strand	-
Start	36164	End	52161
Name	OJ990528_20.9B10.C5.o7.np	Method	AAT/NAP
Start	36164	End	52161
GI	186396	Score	272
Exons	36164..36425, 39378..39698, 47323..47536, 49622..49708, 51842..52161		
GI Descrip.	(M94131) mucin [Homo sapiens]		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74360	Strand	-
Start	36164	End	52161
Name	OJ990528_20.9B10.C5.o1.tw	Method	TBLASTX:Wheat
Start	38058	End	39811
GI	none	Score	347
Exons	38058..38366, 38059..38388, 38443..38517, 38446..38505, 38448..38519, 39391..39465, 39404..39457, 39478..39810, 39509..39811		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74360	Strand	-
Start	36164	End	52161
Name	OJ990528_20.9B10.C5.o4.tw	Method	TBLASTX:Wheat
Start	38521	End	39388
GI	none	Score	180
Exons	38521..38739, 38523..38735, 39154..39387, 39158..39388		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74360	Strand	-
Start	36164	End	52161
Name	OJ990528_20.9B10.C5.o10.gs	Method	GENSCAN
Start	39145	End	41316
GI	none	Score	.85
Exons	39145..39845, 39928..40088, 40184..41316		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74360	Strand	-
Start	36164	End	52161
Name	OJ990528_20.9B10.C5.o6.np	Method	AAT/NAP
Start	39145	End	41310
GI	4455337	Score	1089
Exons	39145..39845, 39928..40088, 40184..40401, 40590..41310		
GI Descrip.	(AL035525) pectinesterase-like protein [Arabidopsis thaliana]		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74360	Strand	-
Start	36164	End	52161
Name	OJ990528_20.9B10.C5.o6.gp	Method	AAT/GAP
Start	40219	End	40599
GI	none	Score	736
Exons	40219..40599		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74360	Strand	-
Start	36164	End	52161
Name	OJ990528_20.9B10.C5.o3.tm	Method	TBLASTX:Maize
Start	40796	End	41314
GI	none	Score	101
Exons	40796..40975, 40798..40974, 41021..41095, 41026..41097, 41164..41313, 41207..41314		

Seq. No.	36074	Seq. ID	OJ990528_20.9B10.C5
Gene No.	74360	Strand	-
Start	36164	End	52161
Name	OJ990528_20.9B10.C5.o7.gp	Method	AAT/GAP

Start	40844	End	41433
GI	28329_1.R1084	Score	1114
Exons	40844..41433		
GI Descrip.	'4455338/emb\|CAB36798.1\| 3.0e-35 (AL035525) putative protein [Arabidopsis thaliana]'		

Seq. No.	36075	Seq. ID	OJ990528_20.9B10.C6
Gene No.	74361	Strand	+
Start	620	End	3580
Name	OJ990528_20.9B10.C6.o1.gs	Method	GENSCAN
Start	620	End	2160
GI	none	Score	.72
Exons	620..696, 784..870, 929..1064, 1476..1594, 2079..2160		

Seq. No.	36075	Seq. ID	OJ990528_20.9B10.C6
Gene No.	74361	Strand	+
Start	620	End	3580
Name	OJ990528_20.9B10.C6.o1.np	Method	AAT/NAP
Start	929	End	3580
GI	5295955	Score	459
Exons	929..998, 1540..1653, 2337..2776, 2913..3453, 3481..3580		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome (V01555) [Oryza sativa]		

Seq. No.	36075	Seq. ID	OJ990528_20.9B10.C6
Gene No.	74362	Strand	+
Start	5830	End	6593
Name	OJ990528_20.9B10.C6.o1.gp	Method	AAT/GAP
Start	5470	End	5885
GI	702650	Score	692
Exons	5470..5885		

Seq. No.	36075	Seq. ID	OJ990528_20.9B10.C6
Gene No.	74362	Strand	+
Start	5830	End	6593
Name	OJ990528_20.9B10.C6.o3.gs	Method	GENSCAN
Start	5830	End	6593
GI	none	Score	.55
Exons	5830..6593		

Seq. No.	36075	Seq. ID	OJ990528_20.9B10.C6
Gene No.	74362	Strand	+
Start	5830	End	6593
Name	OJ990528_20.9B10.C6.o2.np	Method	AAT/NAP
Start	5893	End	6406
GI	4455338	Score	277
Exons	5893..5970, 6052..6406		
GI Descrip.	(AL035525) putative protein [Arabidopsis thaliana]		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74363	Strand	+
Start	530	End	8477
Name	OJ990528_20.9B10.C7.o1.gs	Method	GENSCAN
Start	530	End	8462
GI	none	Score	.88
Exons	530..1231, 1494..1647, 1767..2111, 2596..3513, 3585..3913, 3982..4105, 4174..4344, 4461..5921, 6920..7183, 7595..7697,		

7760..7905, 8139..8462

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74363	Strand	+
Start	530	End	8477
Name	OJ990528_20.9B10.C7.o1.np	Method	AAT/NAP
Start	783	End	8477
GI	4455338	Score	3477
Exons	783..1231, 1494..1647, 1767..2111, 2596..3173, 3294..3513, 3585..3913, 3982..4105, 4174..4344, 4461..4621, 4649..5921, 6920..7183, 8139..8477		
GI Descrip.	(AL035525) putative protein [Arabidopsis thaliana]		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74363	Strand	+
Start	530	End	8477
Name	OJ990528_20.9B10.C7.o1.gp	Method	AAT/GAP
Start	3788	End	4261
GI	569650	Score	592
Exons	3788..3913, 3982..4105, 4174..4261		
GI Descrip.	4455338/emb\|CAB36798.1\| 3.0e-27 (AL035525) putative protein [Arabidopsis thaliana]		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74363	Strand	+
Start	530	End	8477
Name	OJ990528_20.9B10.C7.o2.gp	Method	AAT/GAP
Start	6983	End	8295
GI	2312057	Score	623
Exons	6983..7183, 8139..8295		
GI Descrip.	4455338/emb\|CAB36798.1\| 3.0e-35 (AL035525) putative protein [Arabidopsis thaliana]		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o4.tm	Method	TBLASTX:Maize
Start	931	End	1563
GI	none	Score	167
Exons	931..1158, 933..1169, 945..1157, 946..1158, 1085..1186, 1154..1231, 1155..1229, 1485..1562, 1491..1562, 1492..1563, 1492..1563		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o4.ts	Method	TBLASTX:Soybean
Start	1077	End	1877
GI	none	Score	177
Exons	1077..1229, 1080..1229, 1097..1231, 1485..1649, 1492..1647, 1752..1877, 1764..1844		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o8.tc	Method	TBLASTX:Cress
Start	1172	End	1650

GI	none	Score	89
Exons	1172..1231, 1173..1229, 1482..1649, 1492..1647, 1492..1650, 1503..1649		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o3.tc	Method	TBLASTX:Cress
Start	1766	End	2802
GI	none	Score	350
Exons	1766..1963, 1767..2123, 1794..2039, 1982..2113, 2588..2713, 2596..2802, 2601..2801		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o2.tm	Method	TBLASTX:Maize
Start	3391	End	3925
GI	none	Score	147
Exons	3391..3513, 3561..3680, 3686..3925, 3687..3917, 3688..3918		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o1.tc	Method	TBLASTX:Cress
Start	3582	End	4087
GI	none	Score	502
Exons	3582..3917, 3582..3911, 3604..3912, 3611..3913, 3972..4076, 3974..4087, 3983..4084		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o1.ts	Method	TBLASTX:Soybean
Start	3690	End	4242
GI	none	Score	396
Exons	3690..3917, 3692..3913, 3954..4106, 3974..4108, 3980..4108, 4171..4242, 4173..4211		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o8.tm	Method	TBLASTX:Maize
Start	4171	End	4553
GI	none	Score	197
Exons	4171..4341, 4171..4320, 4460..4546, 4460..4528, 4491..4553		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o1.tm	Method	TBLASTX:Maize
Start	4819	End	5513
GI	none	Score	484
Exons	4819..5430, 4827..5054, 4934..5068, 5117..5449, 5118..5450, 5119..5307, 5120..5449, 5410..5508, 5411..5509, 5412..5513		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7

Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o7.tc	Method	TBLASTX:Cress
Start	5100	End	5419
GI	none	Score	79
Exons	5100..5210, 5217..5408, 5238..5378, 5291..5419		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o5.ts	Method	TBLASTX:Soybean
Start	5220	End	5446
GI	none	Score	112
Exons	5220..5357, 5222..5407, 5226..5441, 5228..5446		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o2.tc	Method	TBLASTX:Cress
Start	5577	End	5911
GI	none	Score	478
Exons	5577..5909, 5589..5909, 5600..5911, 5717..5911		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o2.ts	Method	TBLASTX:Soybean
Start	5577	End	8438
GI	none	Score	522
Exons	5577..5924, 5585..5923, 6916..7032, 6920..7027, 7061..7183, 7067..7183, 7069..7188, 8125..8337, 8129..8434, 8142..8438		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o3.tm	Method	TBLASTX:Maize
Start	5634	End	8270
GI	none	Score	454
Exons	5634..5924, 5636..5923, 5641..5928, 6916..7032, 6919..7077, 6930..7124, 7061..7168, 7062..7169, 7062..7175, 7063..7170, 7067..7183, 7069..7200, 8129..8269, 8139..8270		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o6.tc	Method	TBLASTX:Cress
Start	6916	End	8252
GI	none	Score	135
Exons	6916..7032, 6920..7027, 7044..7178, 7060..7179, 7061..7189, 7067..7201, 8130..8246, 8144..8251, 8145..8252		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o6.tm	Method	TBLASTX:Maize
Start	8270	End	8699
GI	none	Score	324

Exons	8270..8464, 8271..8474, 8273..8476, 8274..8471, 8275..8472, 8603..8623, 8645..8689, 8649..8699		
Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o10.tc	Method	TBLASTX:Cress
Start	8280	End	8475
GI	none	Score	191
Exons	8280..8444, 8282..8449, 8431..8475		
Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o2.gs	Method	GENSCAN
Start	9649	End	17172
GI	none	Score	.71
Exons	9649..10191, 10479..10626, 10671..10737, 10883..11201, 11270..11353, 11894..11992, 12137..12181, 12263..12337, 12443..12538, 13423..13500, 14137..14222, 14311..14377, 14465..14527, 14605..14706, 14832..14936, 15021..15113, 15653..15741, 16322..16541, 17089..17172		
Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o2.np	Method	AAT/NAP
Start	9673	End	11584
GI	2129647	Score	255
Exons	9673..10088, 10117..10191, 11562..11584		
GI Descrip.	MYB-related protein 33,2K - Arabidopsis thaliana gi\|1263097\|emb\|CAA90810\| (Z54137) MYB-related protein [Arabidopsis thaliana]		
Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o7.tm	Method	TBLASTX:Maize
Start	9687	End	9993
GI	none	Score	309
Exons	9687..9980, 9688..9993, 9721..9981		
Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o3.ts	Method	TBLASTX:Soybean
Start	9688	End	9987
GI	none	Score	298
Exons	9688..9987, 9753..9986		
Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o5.tc	Method	TBLASTX:Cress
Start	9688	End	9987
GI	none	Score	294
Exons	9688..9987, 9753..9986		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o3.tw	Method	TBLASTX:Wheat
Start	9697	End	9984
GI	none	Score	50
Exons	9697..9759, 9787..9975, 9796..9984		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o9.tc	Method	TBLASTX:Cress
Start	11098	End	14199
GI	none	Score	71
Exons	11098..11172, 11263..11355, 11267..11368, 12136..12189, 12143..12181, 12260..12340, 12262..12360, 12416..12532, 12428..12541, 13422..13502, 13422..13502, 13423..13503, 13429..13503, 14137..14199		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o2.tw	Method	TBLASTX:Wheat
Start	11906	End	12525
GI	none	Score	56
Exons	11906..11956, 11931..11990, 12134..12184, 12135..12182, 12256..12339, 12260..12340, 12260..12340, 12262..12363, 12440..12523, 12444..12524, 12475..12525		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o3.gp	Method	AAT/GAP
Start	12460	End	12538
GI	none	Score	135
Exons	12460..12538		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o4.gp	Method	AAT/GAP
Start	13423	End	13503
GI	none	Score	115
Exons	13423..13503		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o5.gp	Method	AAT/GAP
Start	14137	End	14384
GI	none	Score	237
Exons	14137..14222, 14311..14384		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175

Name	OJ990528_20.9B10.C7.o5.tm	Method	TBLASTX:Maize
Start	14598	End	17175
GI	none	Score	98
Exons	14598..14702, 14610..14711, 14611..14709, 14795..14938, 14829..14942, 14831..14938, 14835..14942, 15021..15113, 15023..15112, 15650..15742, 15650..15742, 15652..15744, 15652..15744, 16322..16540, 16323..16544, 17086..17175		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o4.tc	Method	TBLASTX:Cress
Start	14601	End	15742
GI	none	Score	71
Exons	14601..14699, 14601..14708, 14602..14709, 14798..14932, 14829..14942, 14831..14941, 15021..15116, 15026..15115, 15650..15742, 15664..15738		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o1.tw	Method	TBLASTX:Wheat
Start	15020	End	16509
GI	none	Score	137
Exons	15020..15112, 15021..15113, 15022..15117, 15650..15742, 15650..15742, 15652..15744, 15652..15744, 16322..16504, 16323..16508, 16324..16509		

Seq. No.	36076	Seq. ID	OJ990528_20.9B10.C7
Gene No.	74364	Strand	+
Start	9649	End	17175
Name	OJ990528_20.9B10.C7.o6.ts	Method	TBLASTX:Soybean
Start	16370	End	17172
GI	none	Score	216
Exons	16370..16540, 16371..16544, 16379..16447, 16488..16544, 17086..17172		

Seq. No.	36077	Seq. ID	OJ990728_14.9B10.C1
Gene No.	74365	Strand	+
Start	220	End	709
Name	OJ990728_14.9B10.C1.o1.gs	Method	GENSCAN
Start	220	End	639
GI	none	Score	.66
Exons	220..242, 433..639		

Seq. No.	36077	Seq. ID	OJ990728_14.9B10.C1
Gene No.	74365	Strand	+
Start	220	End	709
Name	OJ990728_14.9B10.C1.o1.np	Method	AAT/NAP
Start	220	End	709
GI	6094553	Score	261
Exons	220..314, 433..709		
GI Descrip.	(AC010676) unknown protein [Arabidopsis thaliana]		

Seq. No.	36078	Seq. ID	OJ990728_14.9B10.C2
Gene No.	74366	Strand	+
Start	140	End	622

Name	OJ990728_14.9B10.C2.o1.np	Method	AAT/NAP
Start	140	End	622
GI	5803253	Score	202
Exons	140..186, 281..412, 513..622		
GI Descrip.	(AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]		

Seq. No.	36078	Seq. ID	OJ990728_14.9B10.C2
Gene No.	74366	Strand	+
Start	140	End	622
Name	OJ990728_14.9B10.C2.o1.tm	Method	TBLASTX:Maize
Start	144	End	613
GI	none	Score	50
Exons	144..188, 146..187, 280..414, 280..369, 339..425, 455..613, 478..609, 500..610		

Seq. No.	36078	Seq. ID	OJ990728_14.9B10.C2
Gene No.	74366	Strand	+
Start	140	End	622
Name	OJ990728_14.9B10.C2.o1.gs	Method	GENSCAN
Start	286	End	412
GI	none	Score	49
Exons	286..412		

Seq. No.	36079	Seq. ID	OJ990728_14.9B10.C3
Gene No.	74367	Strand	+
Start	1	End	218
Name	OJ990728_14.9B10.C3.o1.np	Method	AAT/NAP
Start	1	End	218
GI	6094553	Score	42
Exons	1..30, 134..218		
GI Descrip.	(AC010676) unknown protein [Arabidopsis thaliana]		

Seq. No.	36080	Seq. ID	OJ990728_14.9B10.C4
Gene No.	74368	Strand	+
Start	1	End	3475
Name	OJ990728_14.9B10.C4.o1.np	Method	AAT/NAP
Start	1	End	3475
GI	6094553	Score	683
Exons	1..113, 887..1045, 1332..1374, 1974..2056, 2747..2809, 2885..2959, 3058..3177, 3342..3475		
GI Descrip.	(AC010676) unknown protein [Arabidopsis thaliana]		

Seq. No.	36080	Seq. ID	OJ990728_14.9B10.C4
Gene No.	74368	Strand	+
Start	1	End	3475
Name	OJ990728_14.9B10.C4.o1.gs	Method	GENSCAN
Start	50	End	2842
GI	none	Score	73
Exons	50..113, 887..1008, 1310..1449, 1974..2056, 2747..2842		

Seq. No.	36081	Seq. ID	OJ990728_14.9B10.C5
Gene No.	74369	Strand	+
Start	1169	End	3126
Name	OJ990728_14.9B10.C5.o1.gs	Method	GENSCAN
Start	1169	End	2922

GI	none	Score	.79
Exons	1169..1263, 1364..1460, 1563..1804, 1877..1934, 2207..2374, 2469..2543, 2638..2922		

Seq. No.	36081	Seq. ID	OJ990728_14.9B10.C5
Gene No.	74369	Strand	+
Start	1169	End	3126
Name	OJ990728_14.9B10.C5.o1.gp	Method	AAT/GAP
Start	1561	End	2310
GI	uC-osflcyp174h04b1	Score	703
Exons	1561..1804, 1877..1934, 2207..2310		
GI Descrip.	'6094553/gb\|AAF03495.1\|AC010676_5 2.0e-59 (AC010676) unknown protein [Arabidopsis thaliana]'		

Seq. No.	36081	Seq. ID	OJ990728_14.9B10.C5
Gene No.	74369	Strand	+
Start	1169	End	3126
Name	OJ990728_14.9B10.C5.o1.np	Method	AAT/NAP
Start	1563	End	3126
GI	6714458	Score	529
Exons	1563..1804, 1877..1934, 2207..2374, 2469..2543, 2638..2868, 3094..3126		
GI Descrip.	(AC008261) unknown protein [Arabidopsis thaliana]		

Seq. No.	36081	Seq. ID	OJ990728_14.9B10.C5
Gene No.	74370	Strand	-
Start	4447	End	6374
Name	OJ990728_14.9B10.C5.o1.tc	Method	TBLASTX:Cress
Start	1560	End	2543
GI	none	Score	90
Exons	1560..1694, 1763..1807, 1764..1805, 1865..1927, 1875..1946, 2180..2413, 2192..2377, 2209..2379, 2421..2543, 2468..2527		

Seq. No.	36081	Seq. ID	OJ990728_14.9B10.C5
Gene No.	74370	Strand	-
Start	4447	End	6374
Name	OJ990728_14.9B10.C5.o1.ts	Method	TBLASTX:Soybean
Start	2662	End	2868
GI	none	Score	183
Exons	2662..2868, 2668..2790		

Seq. No.	36081	Seq. ID	OJ990728_14.9B10.C5
Gene No.	74370	Strand	-
Start	4447	End	6374
Name	OJ990728_14.9B10.C5.o1.tm	Method	TBLASTX:Maize
Start	2674	End	2799
GI	none	Score	211
Exons	2674..2799, 2674..2799		

Seq. No.	36081	Seq. ID	OJ990728_14.9B10.C5
Gene No.	74370	Strand	-
Start	4447	End	6374
Name	OJ990728_14.9B10.C5.o2.np	Method	AAT/NAP
Start	4276	End	6374
GI	2213587	Score	102
Exons	4276..4296, 5549..5761, 5789..5922, 6332..6374		
GI Descrip.	(AC000348) T7N9.7 [Arabidopsis thaliana]		

Seq. No.	36081	Seq. ID	OJ990728_14.9B10.C5
Gene No.	74370	Strand	-
Start	4447	End	6374
Name	OJ990728_14.9B10.C5.o2.gs	Method	GENSCAN
Start	4447	End	5941
GI	none	Score	.91
Exons	4447..4638, 5552..5941		

Seq. No.	36082	Seq. ID	OJ990728_14.9B10.C6
Gene No.	74371	Strand	+
Start	6525	End	6901
Name	OJ990728_14.9B10.C6.o1.gp	Method	AAT/GAP
Start	6525	End	6901
GI	uC-osroM202010g03a1	Score	701
Exons	6525..6901		
GI Descrip.	'4415912/gb\|AAD20143\| 1.0e-19 (AC006282) putative protease [Arabidopsis thaliana]'		

Seq. No.	36082	Seq. ID	OJ990728_14.9B10.C6
Gene No.	74372	Strand	-
Start	1	End	5916
Name	OJ990728_14.9B10.C6.o1.np	Method	AAT/NAP
Start	1	End	5916
GI	6324607	Score	394
Exons	1..35, 3377..3524, 3905..4117, 4248..4385, 4508..4631, 4901..5020, 5756..5916		
GI Descrip.	exonuclease; Dhs1p gi\|1706421\|sp\|P39875\|EXO1_YEAST EXONUCLEASE I (EXO I) (DHS1 PROTEIN) gi\|2131226\|pir\|\|S62169 DHS1 protein - yeast (Saccharomyces cerevisiae) gi\|1041655\|emb\|CAA60749\| (X87331) overlaps with S69545. Encodes protein 219 amino acids longer than published protein sequence [Saccharomyces cerevisiae] gi\|1420150\|emb\|CAA99223\| (Z74941) ORF YOR033c [Saccha		

Seq. No.	36082	Seq. ID	OJ990728_14.9B10.C6
Gene No.	74372	Strand	-
Start	1	End	5916
Name	OJ990728_14.9B10.C6.o1.gs	Method	GENSCAN
Start	122	End	5916
GI	none	Score	.65
Exons	122..545, 662..869, 1078..1129, 1227..1522, 1646..1700, 1808..2157, 3374..3524, 3908..4117, 4248..4385, 4508..4631, 4901..5020, 5556..5715, 5745..5916		

Seq. No.	36082	Seq. ID	OJ990728_14.9B10.C6
Gene No.	74373	Strand	-
Start	6269	End	8332
Name	OJ990728_14.9B10.C6.o1.tm	Method	TBLASTX:Maize
Start	3375	End	4397
GI	none	Score	180
Exons	3375..3527, 3385..3525, 3905..4117, 3905..4120, 3912..4118, 4224..4397, 4248..4328, 4250..4387		

Seq. No.	36082	Seq. ID	OJ990728_14.9B10.C6
Gene No.	74373	Strand	-
Start	6269	End	8332

Name	OJ990728_14.9B10.C6.o2.gs	Method	GENSCAN
Start	6269	End	8266
GI	none	Score	.56
Exons	6269..6407, 6666..6744, 7104..7259, 7386..7457, 7821..7887, 8008..8125, 8193..8266		

Seq. No.	36082	Seq. ID	OJ990728_14.9B10.C6
Gene No.	74373	Strand	-
Start	6269	End	8332
Name	OJ990728_14.9B10.C6.o2.tm	Method	TBLASTX:Maize
Start	6904	End	8264
GI	none	Score	34
Exons	6904..6933, 6961..6987, 6968..6988, 7083..7124, 7094..7126, 7124..7258, 7153..7224, 7205..7258, 7375..7458, 7383..7463, 7385..7465, 7818..7895, 7822..7887, 7823..7897, 8003..8125, 8008..8133, 8008..8121, 8184..8264, 8198..8263		

Seq. No.	36082	Seq. ID	OJ990728_14.9B10.C6
Gene No.	74373	Strand	-
Start	6269	End	8332
Name	OJ990728_14.9B10.C6.o2.np	Method	AAT/NAP
Start	7191	End	8332
GI	6579210	Score	114
Exons	7191..7259, 7357..7457, 7821..7887, 8011..8104, 8193..8332		
GI Descrip.	(AC011438) T23G18.7 [Arabidopsis thaliana]		

Seq. No.	36083	Seq. ID	OJ990728_14.9B10.C7
Gene No.	74374	Strand	-
Start	1	End	3795
Name	OJ990728_14.9B10.C7.o1.np	Method	AAT/NAP
Start	1	End	3795
GI	4415912	Score	824
Exons	1..95, 305..532, 1200..1453, 1589..1718, 3524..3795		
GI Descrip.	(AC006282) putative protease [Arabidopsis thaliana]		

Seq. No.	36083	Seq. ID	OJ990728_14.9B10.C7
Gene No.	74374	Strand	-
Start	1	End	3795
Name	OJ990728_14.9B10.C7.o1.gs	Method	GENSCAN
Start	305	End	3789
GI	none	Score	.86
Exons	305..532, 1200..1453, 1589..1718, 3524..3789		

Seq. No.	36083	Seq. ID	OJ990728_14.9B10.C7
Gene No.	74374	Strand	-
Start	1	End	3795
Name	OJ990728_14.9B10.C7.o1.gp	Method	AAT/GAP
Start	1200	End	1658
GI	2310457	Score	577
Exons	1200..1453, 1589..1658		
GI Descrip.	4415912/gb\|AAD20143\| 1.0e-19 (AC006282) putative protease [Arabidopsis thaliana]		

Seq. No.	36083	Seq. ID	OJ990728_14.9B10.C7
Gene No.	74374	Strand	-
Start	1	End	3795
Name	OJ990728_14.9B10.C7.o2.gp	Method	AAT/GAP

Start	1225	End	1754
GI	2310457	Score	649
Exons	1225..1453, 1589..1754		
GI Descrip.	4415912/gb\|AAD20143\| 1.0e-19 (AC006282) putative protease [Arabidopsis thaliana]		

Seq. No.	36083	Seq. ID	OJ990728_14.9B10.C7
Gene No.	74375	Strand	-
Start	7997	End	8539
Name	OJ990728_14.9B10.C7.o1.tm	Method	TBLASTX:Maize
Start	349	End	1721
GI	none	Score	296
Exons	349..531, 350..532, 375..536, 1194..1343, 1203..1343, 1204..1347, 1293..1451, 1334..1453, 1341..1454, 1583..1717, 1590..1718, 1590..1721		

Seq. No.	36083	Seq. ID	OJ990728_14.9B10.C7
Gene No.	74375	Strand	-
Start	7997	End	8539
Name	OJ990728_14.9B10.C7.o2.np	Method	AAT/NAP
Start	7997	End	8539
GI	6539585	Score	189
Exons	7997..8088, 8386..8539		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	36083	Seq. ID	OJ990728_14.9B10.C7
Gene No.	74376	Strand	
Start	13168	End	13461
Name	OJ990728_14.9B10.C7.o2.tm	Method	TBLASTX:Maize
Start	13168	End	13461
GI	none	Score	54
Exons	13168..13215, 13178..13219, 13310..13456, 13315..13461		

Seq. No.	36084	Seq. ID	OJ990728_14.9B10.C9
Gene No.	74377	Strand	-
Start	347	End	4212
Name	OJ990728_14.9B10.C9.o2.tm	Method	TBLASTX:Maize
Start	3	End	2846
GI	none	Score	76
Exons	3..83, 16..54, 347..544, 349..531, 661..969, 665..967, 669..980, 671..979, 672..980, 1632..1865, 1636..1851, 1643..1864, 1659..1865, 2442..2843, 2443..2841, 2444..2845, 2712..2846		

Seq. No.	36084	Seq. ID	OJ990728_14.9B10.C9
Gene No.	74377	Strand	-
Start	347	End	4212
Name	OJ990728_14.9B10.C9.o1.gs	Method	GENSCAN
Start	347	End	4212
GI	none	Score	.65
Exons	347..532, 673..977, 1661..1855, 2444..4212		

Seq. No.	36084	Seq. ID	OJ990728_14.9B10.C9
Gene No.	74377	Strand	-
Start	347	End	4212
Name	OJ990728_14.9B10.C9.o2.ts	Method	TBLASTX:Soybean
Start	347	End	770
GI	none	Score	60

Exons	347..403, 349..411, 400..522, 400..531, 410..544, 425..541, 671..700, 672..770		
Seq. No.	36084	Seq. ID	OJ990728_14.9B10.C9
Gene No.	74377	Strand	-
Start	347	End	4212
Name	OJ990728_14.9B10.C9.o1.ts	Method	TBLASTX:Soybean
Start	894	End	3593
GI	none	Score	121
Exons	894..980, 1624..1851, 1656..1865, 1658..1864, 2444..2680, 2801..2926, 2802..2903, 2828..2908, 2948..3289, 2959..3150, 2963..3256, 2964..3278, 3241..3291, 3315..3515, 3317..3517, 3558..3593		
Seq. No.	36084	Seq. ID	OJ990728_14.9B10.C9
Gene No.	74377	Strand	-
Start	347	End	4212
Name	OJ990728_14.9B10.C9.o1.tc	Method	TBLASTX:Cress
Start	1680	End	3115
GI	none	Score	91
Exons	1680..1796, 1685..1837, 1823..1864, 1827..1865, 2444..2701, 2448..2651, 2762..3115, 2763..3113		
Seq. No.	36084	Seq. ID	OJ990728_14.9B10.C9
Gene No.	74377	Strand	-
Start	347	End	4212
Name	OJ990728_14.9B10.C9.o1.tm	Method	TBLASTX:Maize
Start	2867	End	3594
GI	none	Score	709
Exons	2867..3586, 2867..3592, 2868..3593, 2874..3593, 2875..3594		
Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10
Gene No.	74378	Strand	+
Start	2316	End	5759
Name	OJ990728_14.9B10.C10.o1.gs	Method	GENSCAN
Start	2316	End	5759
GI	none	Score	.82
Exons	2316..2472, 3161..3268, 5143..5759		
Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10
Gene No.	74379	Strand	+
Start	11343	End	15178
Name	OJ990728_14.9B10.C10.o3.gs	Method	GENSCAN
Start	11343	End	15178
GI	none	Score	.56
Exons	11343..11600, 11675..11785, 12746..12814, 13645..13690, 14187..14496, 14651..14847, 14898..15064, 15167..15178		
Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10
Gene No.	74379	Strand	+
Start	11343	End	15178
Name	OJ990728_14.9B10.C10.o3.gp	Method	AAT/GAP
Start	12742	End	13207
GI	2428084	Score	843
Exons	12742..13207		
Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10

Gene No.	74380	Strand	+
Start	17077	End	20722
Name	OJ990728_14.9B10.C10.o4.gp	Method	AAT/GAP
Start	16889	End	19074
GI	25224_1.R1084	Score	1370
Exons	16889..17253, 18539..18739, 18814..18925, 19026..19074		
GI Descrip.	'4426964/gb\|AAD20634\| 1.0e-59 (AF126255) purple acid phosphatase precursor [Anchusa officinalis]'		

Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10
Gene No.	74380	Strand	+
Start	17077	End	20722
Name	OJ990728_14.9B10.C10.o4.gs	Method	GENSCAN
Start	17077	End	20722
GI	none	Score	.86
Exons	17077..17253, 18539..18739, 18814..18925, 19026..19252, 19378..19516, 19761..19981, 20302..20423, 20560..20722		

Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10
Gene No.	74380	Strand	+
Start	17077	End	20722
Name	OJ990728_14.9B10.C10.o2.np	Method	AAT/NAP
Start	17080	End	20719
GI	4160280	Score	1690
Exons	17080..17253, 18539..18739, 18814..18925, 19026..19252, 19378..19516, 19761..19981, 20302..20423, 20524..20719		
GI Descrip.	(AJ006224) purple acid phosphatase [Ipomoea batatas]		

Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10
Gene No.	74381	Strand	-
Start	5326	End	5854
Name	OJ990728_14.9B10.C10.o1.np	Method	AAT/NAP
Start	5326	End	5854
GI	6006381	Score	345
Exons	5326..5439, 5536..5854		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10
Gene No.	74382	Strand	-
Start	6036	End	8380
Name	OJ990728_14.9B10.C10.o1.gp	Method	AAT/GAP
Start	6036	End	7737
GI	20723_1.R1084	Score	1776
Exons	6036..6227, 6986..7737		
GI Descrip.	'2149018/gb\|U70541\|OSU70541 8.0e-14 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds'		

Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10
Gene No.	74382	Strand	-
Start	6036	End	8380
Name	OJ990728_14.9B10.C10.o2.gs	Method	GENSCAN
Start	6897	End	8354
GI	none	Score	.81
Exons	6897..8354		

Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10

Gene No.	74382	Strand	-
Start	6036	End	8380
Name	OJ990728_14.9B10.C10.o2.gp	Method	AAT/GAP
Start	8065	End	8380
GI	none	Score	612
Exons	8065..8380		

Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10
Gene No.	74383	Strand	-
Start	20832	End	22344
Name	OJ990728_14.9B10.C10.o1.tw	Method	TBLASTX:Wheat
Start	7335	End	14935
GI	none	Score	63
Exons	7335..7454, 7336..7386, 7408..7440, 7410..7457, 7427..7612, 7440..7727, 7441..7653, 7464..7727, 14766..14822, 14855..14935		

Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10
Gene No.	74383	Strand	-
Start	20832	End	22344
Name	OJ990728_14.9B10.C10.o2.tm	Method	TBLASTX:Maize
Start	11265	End	13807
GI	none	Score	35
Exons	11265..11300, 11318..11365, 11451..11489, 11513..11569, 11514..11570, 11562..11600, 11669..11788, 11674..11790, 11736..11798, 12724..12819, 12725..12820, 12743..12832, 13559..13645, 13561..13641, 13670..13696, 13695..13730, 13703..13732, 13760..13807		

Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10
Gene No.	74383	Strand	-
Start	20832	End	22344
Name	OJ990728_14.9B10.C10.o2.tc	Method	TBLASTX:Cress
Start	11472	End	12793
GI	none	Score	35
Exons	11472..11489, 11517..11600, 11559..11627, 11669..11788, 11674..11787, 12725..12793		

Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10
Gene No.	74383	Strand	-
Start	20832	End	22344
Name	OJ990728_14.9B10.C10.o2.ts	Method	TBLASTX:Soybean
Start	11520	End	12820
GI	none	Score	87
Exons	11520..11600, 11669..11788, 11674..11790, 12716..12820		

Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10
Gene No.	74383	Strand	-
Start	20832	End	22344
Name	OJ990728_14.9B10.C10.o1.ts	Method	TBLASTX:Soybean
Start	17143	End	20599
GI	none	Score	120
Exons	17143..17256, 17151..17255, 18536..18739, 18538..18738, 18784..18924, 18811..18942, 18812..18925, 18819..18926, 19024..19059, 19025..19087, 19084..19248, 19085..19264, 19091..19264, 19378..19518, 19379..19519, 19380..19523, 19431..19523, 19736..19882, 19744..19881, 19760..19882, 19882..19995, 19883..19996, 19884..20000, 20305..20421,		

20314..20412, 20316..20483, 20480..20599, 20521..20595

Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10
Gene No.	74383	Strand	-
Start	20832	End	22344
Name	OJ990728_14.9B10.C10.o3.tm	Method	TBLASTX:Maize
Start	17148	End	18709
GI	none	Score	165
Exons	17148..17255, 17149..17256, 18536..18709, 18538..18708		

Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10
Gene No.	74383	Strand	-
Start	20832	End	22344
Name	OJ990728_14.9B10.C10.o1.tc	Method	TBLASTX:Cress
Start	17149	End	20686
GI	none	Score	94
Exons	17149..17256, 17151..17255, 18536..18739, 18538..18630, 18784..18939, 18811..18933, 19049..19147, 19093..19146, 19130..19246, 19151..19261, 19378..19515, 19736..19981, 19751..19972, 19882..19974, 20302..20418, 20307..20423, 20480..20686, 20521..20685		

Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10
Gene No.	74383	Strand	-
Start	20832	End	22344
Name	OJ990728_14.9B10.C10.o1.tm	Method	TBLASTX:Maize
Start	18710	End	20748
GI	none	Score	57
Exons	18710..18739, 18710..18739, 18807..18929, 18807..18926, 18808..18927, 18811..18942, 19012..19239, 19024..19251, 19025..19252, 19025..19252, 19378..19518, 19378..19500, 19379..19513, 19431..19523, 19736..19981, 19750..19989, 19804..19995, 20301..20423, 20302..20421, 20302..20424, 20480..20695, 20497..20748, 20521..20721		

Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10
Gene No.	74383	Strand	-
Start	20832	End	22344
Name	OJ990728_14.9B10.C10.o2.tw	Method	TBLASTX:Wheat
Start	20518	End	20700
GI	none	Score	219
Exons	20518..20700, 20522..20692, 20545..20697		

Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10
Gene No.	74383	Strand	-
Start	20832	End	22344
Name	OJ990728_14.9B10.C10.o5.gs	Method	GENSCAN
Start	20832	End	22216
GI	none	Score	.76
Exons	20832..20957, 20980..21166, 21667..21768, 21876..21962, 22083..22216		

Seq. No.	36085	Seq. ID	OJ990728_14.9B10.C10
Gene No.	74383	Strand	-
Start	20832	End	22344
Name	OJ990728_14.9B10.C10.o3.np	Method	AAT/NAP
Start	21592	End	22344

GI	5803253	Score	91
Exons	21592..21768, 22083..22216, 22325..22344		
GI Descrip.	(AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]		

Seq. No.	36086	Seq. ID	OJ990728_14.9B10.C11
Gene No.	74384	Strand	+
Start	3613	End	6710
Name	OJ990728_14.9B10.C11.o1.gs	Method	GENSCAN
Start	3613	End	6710
GI	none	Score	.77
Exons	3613..3816, 3931..4034, 4209..4263, 4456..4600, 4721..4858, 5311..5450, 5613..5660, 5932..6042, 6378..6499, 6698..6710		

Seq. No.	36086	Seq. ID	OJ990728_14.9B10.C11
Gene No.	74385	Strand	+
Start	8486	End	10036
Name	OJ990728_14.9B10.C11.o2.np	Method	AAT/NAP
Start	8486	End	10036
GI	5091523	Score	489
Exons	8486..8680, 9148..9413, 9454..10036		
GI Descrip.	(AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]		

Seq. No.	36086	Seq. ID	OJ990728_14.9B10.C11
Gene No.	74386	Strand	-
Start	2076	End	2870
Name	OJ990728_14.9B10.C11.o1.np	Method	AAT/NAP
Start	2076	End	2870
GI	5803253	Score	150
Exons	2076..2317, 2406..2533, 2786..2870		
GI Descrip.	(AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]		

Seq. No.	36086	Seq. ID	OJ990728_14.9B10.C11
Gene No.	74387	Strand	-
Start	7871	End	8233
Name	OJ990728_14.9B10.C11.o1.gp	Method	AAT/GAP
Start	7871	End	8233
GI	4714904	Score	655
Exons	7871..8233		

Seq. No.	36086	Seq. ID	OJ990728_14.9B10.C11
Gene No.	74388	Strand	-
Start	8830	End	9201
Name	OJ990728_14.9B10.C11.o2.gp	Method	AAT/GAP
Start	8830	End	9201
GI	4714903	Score	712
Exons	8830..9201		

Seq. No.	36086	Seq. ID	OJ990728_14.9B10.C11
Gene No.	74389	Strand	-
Start	14034	End	15005
Name	OJ990728_14.9B10.C11.o3.gs	Method	GENSCAN
Start	14034	End	15005

GI	none	Score	.92
Exons	14034..15005		
Seq. No.	36086	Seq. ID	OJ990728_14.9B10.C11
Gene No.	74390	Strand	-
Start	18708	End	19764
Name	OJ990728_14.9B10.C11.o1.ts	Method	TBLASTX:Soybean
Start	4534	End	5342
GI	none	Score	97
Exons	4534..4599, 4547..4594, 4559..4609, 4717..4857, 4719..4856, 4722..4859, 5304..5342		
Seq. No.	36086	Seq. ID	OJ990728_14.9B10.C11
Gene No.	74390	Strand	-
Start	18708	End	19764
Name	OJ990728_14.9B10.C11.o1.tm	Method	TBLASTX:Maize
Start	6007	End	6435
GI	none	Score	54
Exons	6007..6042, 6009..6038, 6104..6301, 6117..6302, 6124..6312, 6125..6301, 6372..6434, 6372..6434, 6373..6435		
Seq. No.	36086	Seq. ID	OJ990728_14.9B10.C11
Gene No.	74390	Strand	-
Start	18708	End	19764
Name	OJ990728_14.9B10.C11.o4.gs	Method	GENSCAN
Start	18708	End	19115
GI	none	Score	.53
Exons	18708..19115		
Seq. No.	36086	Seq. ID	OJ990728_14.9B10.C11
Gene No.	74390	Strand	-
Start	18708	End	19764
Name	OJ990728_14.9B10.C11.o3.np	Method	AAT/NAP
Start	18711	End	19764
GI	6815053	Score	754
Exons	18711..19115, 19618..19764		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	36087	Seq. ID	OJ990728_14.9B10.C12
Gene No.	74391	Strand	+
Start	5060	End	8776
Name	OJ990728_14.9B10.C12.o2.gs	Method	GENSCAN
Start	5060	End	8776
GI	none	Score	.83
Exons	5060..5111, 5436..5523, 6022..6164, 6269..6418, 6483..6559, 7343..7484, 8378..8525, 8601..8676, 8750..8776		
Seq. No.	36087	Seq. ID	OJ990728_14.9B10.C12
Gene No.	74391	Strand	+
Start	5060	End	8776
Name	OJ990728_14.9B10.C12.o1.gp	Method	AAT/GAP
Start	5985	End	8509
GI	701857	Score	794
Exons	5985..6164, 7343..7484, 8379..8509		
Seq. No.	36087	Seq. ID	OJ990728_14.9B10.C12
Gene No.	74392	Strand	+

Start	9602	End	10310
Name	OJ990728_14.9B10.C12.o2.gp	Method	AAT/GAP
Start	9602	End	10310
GI	none	Score	879
Exons	9602..9652, 9889..10310		

Seq. No.	36087	Seq. ID	OJ990728_14.9B10.C12
Gene No.	74393	Strand	-
Start	1	End	3062
Name	OJ990728_14.9B10.C12.o1.np	Method	AAT/NAP
Start	1	End	3062
GI	6016874	Score	697
Exons	1..23, 222..467, 933..1286, 1497..1664, 2053..2212, 2600..3062		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	36087	Seq. ID	OJ990728_14.9B10.C12
Gene No.	74394	Strand	-
Start	9403	End	9904
Name	OJ990728_14.9B10.C12.o5.tm	Method	TBLASTX:Maize
Start	997	End	1210
GI	none	Score	194
Exons	997..1209, 1001..1210		

Seq. No.	36087	Seq. ID	OJ990728_14.9B10.C12
Gene No.	74394	Strand	-
Start	9403	End	9904
Name	OJ990728_14.9B10.C12.o2.tm	Method	TBLASTX:Maize
Start	1211	End	1797
GI	none	Score	68
Exons	1211..1291, 1474..1797, 1499..1750		

Seq. No.	36087	Seq. ID	OJ990728_14.9B10.C12
Gene No.	74394	Strand	-
Start	9403	End	9904
Name	OJ990728_14.9B10.C12.o4.tm	Method	TBLASTX:Maize
Start	1994	End	2311
GI	none	Score	76
Exons	1994..2047, 1996..2067, 2060..2221, 2106..2216, 2231..2311		

Seq. No.	36087	Seq. ID	OJ990728_14.9B10.C12
Gene No.	74394	Strand	-
Start	9403	End	9904
Name	OJ990728_14.9B10.C12.o1.tm	Method	TBLASTX:Maize
Start	2405	End	2909
GI	none	Score	72
Exons	2405..2443, 2436..2504, 2438..2500, 2441..2518, 2519..2776, 2520..2786, 2562..2777, 2790..2843, 2804..2848, 2868..2909		

Seq. No.	36087	Seq. ID	OJ990728_14.9B10.C12
Gene No.	74394	Strand	-
Start	9403	End	9904
Name	OJ990728_14.9B10.C12.o1.tw	Method	TBLASTX:Wheat
Start	6111	End	8637
GI	none	Score	63
Exons	6111..6161, 6124..6162, 6129..6161, 7343..7501, 7352..7483,		

7353..7484, 8352..8558, 8376..8471, 8377..8553, 8392..8559, 8557..8637

Seq. No.	36087	Seq. ID	OJ990728_14.9B10.C12
Gene No.	74394	Strand	-
Start	9403	End	9904
Name	OJ990728_14.9B10.C12.o3.tm	Method	TBLASTX:Maize
Start	7342	End	9654
GI	none	Score	231
Exons	7342..7500, 7343..7489, 8358..8468, 8374..8553, 8378..8557, 8379..8558, 8392..8559, 8601..8678, 8602..8676, 8793..8846, 9336..9455, 9343..9456, 9345..9452, 9346..9456, 9551..9652, 9559..9651, 9562..9654		

Seq. No.	36087	Seq. ID	OJ990728_14.9B10.C12
Gene No.	74394	Strand	-
Start	9403	End	9904
Name	OJ990728_14.9B10.C12.o1.tc	Method	TBLASTX:Cress
Start	8466	End	9672
GI	none	Score	56
Exons	8466..8537, 8467..8511, 8572..8676, 8601..8678, 9330..9455, 9346..9456, 9346..9456, 9553..9672, 9563..9652		

Seq. No.	36087	Seq. ID	OJ990728_14.9B10.C12
Gene No.	74394	Strand	-
Start	9403	End	9904
Name	OJ990728_14.9B10.C12.o3.gs	Method	GENSCAN
Start	9403	End	9904
GI	none	Score	.83
Exons	9403..9614, 9898..9904		

Seq. No.	36088	Seq. ID	OJ990728_14.9B10.C13
Gene No.	74395	Strand	-
Start	1	End	1438
Name	OJ990728_14.9B10.C13.o1.np	Method	AAT/NAP
Start	1	End	1438
GI	6094553	Score	209
Exons	1..326, 592..663, 1313..1438		
GI Descrip.	(AC010676) unknown protein [Arabidopsis thaliana]		

Seq. No.	36088	Seq. ID	OJ990728_14.9B10.C13
Gene No.	74395	Strand	-
Start	1	End	1438
Name	OJ990728_14.9B10.C13.o1.gp	Method	AAT/GAP
Start	85	End	1404
GI	uC-osflcyp174h04b1	Score	715
Exons	85..326, 592..663, 1313..1404		
GI Descrip.	'6094553/gb\|AAF03495.1\|AC010676_5 2.0e-59 (AC010676) unknown protein [Arabidopsis thaliana]'		

Seq. No.	36088	Seq. ID	OJ990728_14.9B10.C13
Gene No.	74395	Strand	-
Start	1	End	1438
Name	OJ990728_14.9B10.C13.o1.gs	Method	GENSCAN
Start	85	End	1391
GI	none	Score	.92
Exons	85..326, 592..663, 1313..1391		

Seq. No.	36089	Seq. ID	OJ990728_14.9B10.C14
Gene No.	74396	Strand	-
Start	204	End	1054
Name	OJ990728_14.9B10.C14.o1.np	Method	AAT/NAP
Start	204	End	1054
GI	6094553	Score	173
Exons	204..267, 885..1054		
GI Descrip.	(AC010676) unknown protein [Arabidopsis thaliana]		

Seq. No.	36090	Seq. ID	OJ990728_14.9B10.C15
Gene No.	74397	Strand	+
Start	2183	End	2570
Name	OJ990728_14.9B10.C15.o1.gs	Method	GENSCAN
Start	2183	End	2570
GI	none	Score	.42
Exons	2183..2300, 2437..2570		

Seq. No.	36090	Seq. ID	OJ990728_14.9B10.C15
Gene No.	74398	Strand	-
Start	3429	End	5991
Name	OJ990728_14.9B10.C15.o1.np	Method	AAT/NAP
Start	3420	End	5991
GI	2213588	Score	495
Exons	3420..3793, 4197..4262, 4341..4472, 4555..4718, 5528..5681, 5867..5991		
GI Descrip.	(AC000348) T7N9.8 [Arabidopsis thaliana]		

Seq. No.	36090	Seq. ID	OJ990728_14.9B10.C15
Gene No.	74398	Strand	-
Start	3429	End	5991
Name	OJ990728_14.9B10.C15.o2.gs	Method	GENSCAN
Start	3429	End	5681
GI	none	Score	.73
Exons	3429..3616, 3695..3793, 4143..4265, 4555..4713, 5523..5681		

Seq. No.	36090	Seq. ID	OJ990728_14.9B10.C15
Gene No.	74398	Strand	-
Start	3429	End	5991
Name	OJ990728_14.9B10.C15.o1.tc	Method	TBLASTX:Cress
Start	3453	End	4458
GI	none	Score	90
Exons	3453..3491, 3519..3623, 3685..3789, 3696..3767, 4342..4458		

Seq. No.	36090	Seq. ID	OJ990728_14.9B10.C15
Gene No.	74398	Strand	-
Start	3429	End	5991
Name	OJ990728_14.9B10.C15.o1.tm	Method	TBLASTX:Maize
Start	4193	End	5656
GI	none	Score	43
Exons	4193..4252, 4213..4266, 4229..4261, 4339..4473, 4342..4473, 4343..4474, 4343..4474, 4556..4660, 4557..4658, 4558..4659, 4661..4729, 4662..4715, 4663..4716, 5519..5656, 5524..5655		

Seq. No.	36091	Seq. ID	OJ990728_14.9B10.C16
Gene No.	74399	Strand	+
Start	1	End	723

Name	OJ990728_14.9B10.C16.o1.np	Method	AAT/NAP
Start	1	End	723
GI	6094553	Score	75
Exons	1..40, 596..723		
GI Descrip.	(AC010676) unknown protein [Arabidopsis thaliana]		

Seq. No.	36092	Seq. ID	OJ990728_12.9B12.C4
Gene No.	74400	Strand	+
Start	191	End	266
Name	OJ990728_12.9B12.C4.o1.gs	Method	GENSCAN
Start	191	End	266
GI	none	Score	.81
Exons	191..266		

Seq. No.	36093	Seq. ID	OJ990728_12.9B12.C6
Gene No.	74401	Strand	+
Start	394	End	1156
Name	OJ990728_12.9B12.C6.o1.gs	Method	GENSCAN
Start	394	End	1156
GI	none	Score	.82
Exons	394..578, 1122..1156		

Seq. No.	36094	Seq. ID	OJ990728_12.9B12.C7
Gene No.	74402	Strand	-
Start	465	End	537
Name	OJ990728_12.9B12.C7.o1.gs	Method	GENSCAN
Start	465	End	537
GI	none	Score	.68
Exons	465..537		

Seq. No.	36095	Seq. ID	OJ990728_12.9B12.C8
Gene No.	74403	Strand	+
Start	21	End	242
Name	OJ990728_12.9B12.C8.o1.np	Method	AAT/NAP
Start	21	End	242
GI	6907087	Score	273
Exons	21..242		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36096	Seq. ID	OJ990728_12.9B12.C11
Gene No.	74404	Strand	+
Start	1	End	1255
Name	OJ990728_12.9B12.C11.o1.np	Method	AAT/NAP
Start	1	End	1255
GI	5902445	Score	1326
Exons	1..1255		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	36096	Seq. ID	OJ990728_12.9B12.C11
Gene No.	74404	Strand	+
Start	1	End	1255
Name	OJ990728_12.9B12.C11.o2.tm	Method	TBLASTX:Maize
Start	2	End	253
GI	none	Score	210
Exons	2..154, 3..140, 76..252, 143..253		

Seq. No.	36096	Seq. ID	OJ990728_12.9B12.C11
Gene No.	74404	Strand	+
Start	1	End	1255
Name	OJ990728_12.9B12.C11.o2.tw	Method	TBLASTX:Wheat
Start	2	End	223
GI	none	Score	227
Exons	2..145, 3..140, 12..98, 143..223, 149..208		

Seq. No.	36096	Seq. ID	OJ990728_12.9B12.C11
Gene No.	74404	Strand	+
Start	1	End	1255
Name	OJ990728_12.9B12.C11.o1.gs	Method	GENSCAN
Start	114	End	1009
GI	none	Score	.5
Exons	114..1009		

Seq. No.	36096	Seq. ID	OJ990728_12.9B12.C11
Gene No.	74404	Strand	+
Start	1	End	1255
Name	OJ990728_12.9B12.C11.o1.tm	Method	TBLASTX:Maize
Start	281	End	664
GI	none	Score	329
Exons	281..664, 308..418, 448..663		

Seq. No.	36096	Seq. ID	OJ990728_12.9B12.C11
Gene No.	74404	Strand	+
Start	1	End	1255
Name	OJ990728_12.9B12.C11.o1.tw	Method	TBLASTX:Wheat
Start	338	End	762
GI	none	Score	465
Exons	338..760, 338..742, 448..762		

Seq. No.	36096	Seq. ID	OJ990728_12.9B12.C11
Gene No.	74404	Strand	+
Start	1	End	1255
Name	OJ990728_12.9B12.C11.o1.ts	Method	TBLASTX:Soybean
Start	392	End	817
GI	none	Score	308
Exons	392..817, 451..576		

Seq. No.	36096	Seq. ID	OJ990728_12.9B12.C11
Gene No.	74404	Strand	+
Start	1	End	1255
Name	OJ990728_12.9B12.C11.o3.tw	Method	TBLASTX:Wheat
Start	908	End	1254
GI	none	Score	78
Exons	908..1006, 991..1131, 999..1133, 1141..1254		

Seq. No.	36097	Seq. ID	OJ990728_12.9B12.C12
Gene No.	74405	Strand	+
Start	1	End	1012
Name	OJ990728_12.9B12.C12.o1.np	Method	AAT/NAP
Start	1	End	1012
GI	6498441	Score	987
Exons	1..646, 731..1012		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the		

predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	36097	Seq. ID	OJ990728_12.9B12.C12
Gene No.	74405	Strand	+
Start	1	End	1012
Name	OJ990728_12.9B12.C12.o1.gs	Method	GENSCAN
Start	80	End	850
GI	none	Score	.65
Exons	80..850		

Seq. No.	36097	Seq. ID	OJ990728_12.9B12.C12
Gene No.	74406	Strand	-
Start	2476	End	3072
Name	OJ990728_12.9B12.C12.o1.tw	Method	TBLASTX:Wheat
Start	28	End	409
GI	none	Score	366
Exons	28..84, 29..409, 130..372		

Seq. No.	36097	Seq. ID	OJ990728_12.9B12.C12
Gene No.	74406	Strand	-
Start	2476	End	3072
Name	OJ990728_12.9B12.C12.o1.tm	Method	TBLASTX:Maize
Start	46	End	429
GI	none	Score	204
Exons	46..315, 53..316, 314..427, 325..429		

Seq. No.	36097	Seq. ID	OJ990728_12.9B12.C12
Gene No.	74406	Strand	-
Start	2476	End	3072
Name	OJ990728_12.9B12.C12.o2.tw	Method	TBLASTX:Wheat
Start	416	End	1003
GI	none	Score	247
Exons	416..706, 418..504, 553..645, 686..847, 872..1003, 877..1002		

Seq. No.	36097	Seq. ID	OJ990728_12.9B12.C12
Gene No.	74406	Strand	-
Start	2476	End	3072
Name	OJ990728_12.9B12.C12.o2.tm	Method	TBLASTX:Maize
Start	701	End	967
GI	none	Score	132
Exons	701..883, 884..967		

Seq. No.	36097	Seq. ID	OJ990728_12.9B12.C12
Gene No.	74406	Strand	-
Start	2476	End	3072
Name	OJ990728_12.9B12.C12.o2.np	Method	AAT/NAP
Start	2476	End	3072
GI	6721561	Score	643
Exons	2476..3072		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36098	Seq. ID	OJ990728_12.9B12.C13

Gene No.	74407	Strand	-
Start	1	End	490
Name	OJ990728_12.9B12.C13.o1.gp	Method	AAT/GAP
Start	1	End	167
GI	12863_1.R1084	Score	311
Exons	1..167		
GI Descrip.	'3540183 1.0e-115 (AC004122) Highly Similar to branched-chain amino acid aminotransferase [Arabidopsis thaliana]'		

Seq. No.	36098	Seq. ID	OJ990728_12.9B12.C13
Gene No.	74407	Strand	-
Start	1	End	490
Name	OJ990728_12.9B12.C13.o1.gs	Method	GENSCAN
Start	46	End	166
GI	none	Score	.67
Exons	46..166		

Seq. No.	36098	Seq. ID	OJ990728_12.9B12.C13
Gene No.	74407	Strand	-
Start	1	End	490
Name	OJ990728_12.9B12.C13.o1.np	Method	AAT/NAP
Start	49	End	490
GI	6319167	Score	95
Exons	49..153, 404..490		
GI Descrip.	(AF193846) branched-chain amino acid aminotransferase [Solanum tuberosum]		

Seq. No.	36099	Seq. ID	OJ990728_12.9B12.C15
Gene No.	74408	Strand	+
Start	395	End	544
Name	OJ990728_12.9B12.C15.o1.gs	Method	GENSCAN
Start	395	End	544
GI	none	Score	.65
Exons	395..544		

Seq. No.	36099	Seq. ID	OJ990728_12.9B12.C15
Gene No.	74408	Strand	+
Start	395	End	544
Name	OJ990728_12.9B12.C15.o1.gp	Method	AAT/GAP
Start	423	End	544
GI	30856_1.R1084	Score	221
Exons	423..544		
GI Descrip.	'3668097 3.0e-57 (AC004667) putative glycine cleavage system protein H precursor [Arabidopsis thaliana]'		

Seq. No.	36099	Seq. ID	OJ990728_12.9B12.C15
Gene No.	74409	Strand	-
Start	162	End	619
Name	OJ990728_12.9B12.C15.o1.np	Method	AAT/NAP
Start	162	End	619
GI	5777617	Score	86
Exons	162..310, 543..619		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	36100	Seq. ID	OJ990728_12.9B12.C16
Gene No.	74410	Strand	-
Start	70	End	753

Name	OJ990728_12.9B12.C16.o1.gs	Method	GENSCAN
Start	70	End	651
GI	none	Score	.59
Exons	70..171, 595..651		

Seq. No.	36100	Seq. ID	OJ990728_12.9B12.C16
Gene No.	74410	Strand	-
Start	70	End	753
Name	OJ990728_12.9B12.C16.o1.tm	Method	TBLASTX:Maize
Start	211	End	540
GI	none	Score	81
Exons	211..327, 324..383, 384..539, 390..539, 418..540, 430..540		

Seq. No.	36100	Seq. ID	OJ990728_12.9B12.C16
Gene No.	74410	Strand	-
Start	70	End	753
Name	OJ990728_12.9B12.C16.o1.tw	Method	TBLASTX:Wheat
Start	439	End	753
GI	none	Score	85
Exons	439..543, 441..548, 529..753, 554..691		

Seq. No.	36101	Seq. ID	OJ990728_12.9B12.C17
Gene No.	74411	Strand	-
Start	740	End	1243
Name	OJ990728_12.9B12.C17.o1.gs	Method	GENSCAN
Start	740	End	1243
GI	none	Score	.85
Exons	740..806, 1167..1243		

Seq. No.	36102	Seq. ID	OJ990728_12.9B12.C18
Gene No.	74412	Strand	+
Start	1	End	7250
Name	OJ990728_12.9B12.C18.o3.np	Method	AAT/NAP
Start	1	End	4897
GI	4680179	Score	2021
Exons	1..32, 3574..4897		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36102	Seq. ID	OJ990728_12.9B12.C18
Gene No.	74412	Strand	+
Start	1	End	7250
Name	OJ990728_12.9B12.C18.o1.np	Method	AAT/NAP
Start	171	End	2016
GI	6907087	Score	1046
Exons	171..474, 683..1004, 1049..1363, 1915..2016		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36102	Seq. ID	OJ990728_12.9B12.C18
Gene No.	74412	Strand	+
Start	1	End	7250
Name	OJ990728_12.9B12.C18.o4.np	Method	AAT/NAP
Start	1976	End	7250
GI	6063554	Score	177
Exons	1976..2000, 5678..5920, 7078..7250		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464)		

correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	36102	Seq. ID	OJ990728_12.9B12.C18
Gene No.	74412	Strand	+
Start	1	End	7250
Name	OJ990728_12.9B12.C18.o1.gp	Method	AAT/GAP
Start	2479	End	2864
GI	uC-osflcyp033a04b1	Score	637
Exons	2479..2864		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	36102	Seq. ID	OJ990728_12.9B12.C18
Gene No.	74413	Strand	+
Start	7356	End	15114
Name	OJ990728_12.9B12.C18.o6.np	Method	AAT/NAP
Start	7356	End	15114
GI	5852180	Score	587
Exons	7356..7414, 11084..11140, 12219..12336, 12387..12801, 15071..15114		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	36102	Seq. ID	OJ990728_12.9B12.C18
Gene No.	74413	Strand	+
Start	7356	End	15114
Name	OJ990728_12.9B12.C18.o4.gs	Method	GENSCAN
Start	12453	End	14483
GI	none	Score	.79
Exons	12453..12801, 14257..14483		

Seq. No.	36102	Seq. ID	OJ990728_12.9B12.C18
Gene No.	74414	Strand	-
Start	2408	End	4361
Name	OJ990728_12.9B12.C18.o2.np	Method	AAT/NAP
Start	2408	End	4361
GI	4680186	Score	199
Exons	2408..2612, 4140..4361		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	36102	Seq. ID	OJ990728_12.9B12.C18
Gene No.	74415	Strand	-
Start	5555	End	9491
Name	OJ990728_12.9B12.C18.o2.tw	Method	TBLASTX:Wheat
Start	3557	End	3886
GI	none	Score	435
Exons	3557..3886, 3631..3882		

Seq. No.	36102	Seq. ID	OJ990728_12.9B12.C18
Gene No.	74415	Strand	-
Start	5555	End	9491
Name	OJ990728_12.9B12.C18.o1.ts	Method	TBLASTX:Soybean
Start	3674	End	3934
GI	none	Score	301
Exons	3674..3934, 3685..3933, 3686..3934		

Seq. No.	36102	Seq. ID	OJ990728_12.9B12.C18

Gene No.	74415	Strand	-
Start	5555	End	9491
Name	OJ990728_12.9B12.C18.o2.tm	Method	TBLASTX:Maize
Start	3732	End	4024
GI	none	Score	79
Exons	3732..3833, 3733..4020, 3734..4024, 3866..4021		

Seq. No.	36102	Seq. ID	OJ990728_12.9B12.C18
Gene No.	74415	Strand	-
Start	5555	End	9491
Name	OJ990728_12.9B12.C18.o1.tw	Method	TBLASTX:Wheat
Start	3893	End	4519
GI	none	Score	722
Exons	3893..4519, 3896..4240, 3952..4398, 4459..4518		

Seq. No.	36102	Seq. ID	OJ990728_12.9B12.C18
Gene No.	74415	Strand	-
Start	5555	End	9491
Name	OJ990728_12.9B12.C18.o1.tm	Method	TBLASTX:Maize
Start	4072	End	4657
GI	none	Score	229
Exons	4072..4227, 4073..4234, 4087..4236, 4231..4395, 4232..4657, 4391..4636, 4459..4656		

Seq. No.	36102	Seq. ID	OJ990728_12.9B12.C18
Gene No.	74415	Strand	-
Start	5555	End	9491
Name	OJ990728_12.9B12.C18.o3.tw	Method	TBLASTX:Wheat
Start	4519	End	4852
GI	none	Score	312
Exons	4519..4800, 4520..4852		

Seq. No.	36102	Seq. ID	OJ990728_12.9B12.C18
Gene No.	74415	Strand	-
Start	5555	End	9491
Name	OJ990728_12.9B12.C18.o5.np	Method	AAT/NAP
Start	5555	End	9491
GI	729704	Score	113
Exons	5555..5905, 7957..8014, 8367..8509, 8981..9040, 9068..9140, 9363..9491		
GI Descrip.	DNA-BINDING PROTEIN HEXBP (HEXAMER-BINDING PROTEIN) gi\|1078700\|pir\|\|A47156 hexamer-binding protein HEXBP - Leishmania major gi\|159342 (M94390) HEXBP DNA binding protein [Leishmania major]		

Seq. No.	36103	Seq. ID	OJ990728_12.9B12.C19
Gene No.	74416	Strand	+
Start	1735	End	7832
Name	OJ990728_12.9B12.C19.o1.gs	Method	GENSCAN
Start	1735	End	7832
GI	none	Score	.52
Exons	1735..1953, 1997..2098, 2435..2548, 3092..3236, 4266..4447, 4478..4647, 4706..5022, 5177..5248, 5860..5951, 6512..6563, 7734..7832		

Seq. No.	36103	Seq. ID	OJ990728_12.9B12.C19
Gene No.	74417	Strand	+

Start	18808	End	19587
Name	OJ990728_12.9B12.C19.o5.np	Method	AAT/NAP
Start	18751	End	19584
GI	6815102	Score	227
Exons	18751..19012, 19124..19392, 19451..19584		
GI Descrip.	(AP001081) Similar to mavicyanin (P80728) [Oryza sativa]		

Seq. No.	36103	Seq. ID	OJ990728_12.9B12.C19
Gene No.	74417	Strand	+
Start	18808	End	19587
Name	OJ990728_12.9B12.C19.o3.gs	Method	GENSCAN
Start	18808	End	19587
GI	none	Score	.99
Exons	18808..19012, 19124..19587		

Seq. No.	36103	Seq. ID	OJ990728_12.9B12.C19
Gene No.	74418	Strand	-
Start	4254	End	6018
Name	OJ990728_12.9B12.C19.o1.np	Method	AAT/NAP
Start	4254	End	6018
GI	5852181	Score	144
Exons	4254..4315, 4601..4815, 5883..6018		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	36103	Seq. ID	OJ990728_12.9B12.C19
Gene No.	74419	Strand	-
Start	8335	End	17804
Name	OJ990728_12.9B12.C19.o2.tw	Method	TBLASTX:Wheat
Start	5208	End	5561
GI	none	Score	193
Exons	5208..5561		

Seq. No.	36103	Seq. ID	OJ990728_12.9B12.C19
Gene No.	74419	Strand	-
Start	8335	End	17804
Name	OJ990728_12.9B12.C19.o3.np	Method	AAT/NAP
Start	8335	End	14618
GI	6069667	Score	419
Exons	8335..8359, 13398..13507, 13858..13965, 14471..14618		
GI Descrip.	(AP000616) similar to UMP/CMP kinase (AF000147) [Oryza sativa]		

Seq. No.	36103	Seq. ID	OJ990728_12.9B12.C19
Gene No.	74419	Strand	-
Start	8335	End	17804
Name	OJ990728_12.9B12.C19.o2.gs	Method	GENSCAN
Start	10692	End	17804
GI	none	Score	.63
Exons	10692..11109, 11199..11587, 12567..12650, 13398..13516, 14471..14663, 14888..15259, 15265..15425, 15899..15943, 16193..16261, 16509..16665, 16831..17138, 17226..17386, 17445..17645, 17695..17804		

Seq. No.	36103	Seq. ID	OJ990728_12.9B12.C19
Gene No.	74419	Strand	-
Start	8335	End	17804
Name	OJ990728_12.9B12.C19.o2.np	Method	AAT/NAP
Start	10750	End	11419

GI	1628482	Score	210
Exons	10750..11131, 11161..11419		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		

Seq. No.	36103	Seq. ID	OJ990728_12.9B12.C19
Gene No.	74419	Strand	-
Start	8335	End	17804
Name	OJ990728_12.9B12.C19.o2.tm	Method	TBLASTX:Maize
Start	10956	End	11383
GI	none	Score	79
Exons	10956..11132, 11198..11257, 11252..11383, 11265..11366		

Seq. No.	36103	Seq. ID	OJ990728_12.9B12.C19
Gene No.	74419	Strand	-
Start	8335	End	17804
Name	OJ990728_12.9B12.C19.o3.tw	Method	TBLASTX:Wheat
Start	11037	End	11386
GI	none	Score	41
Exons	11037..11126, 11180..11275, 11198..11386, 11265..11324		

Seq. No.	36103	Seq. ID	OJ990728_12.9B12.C19
Gene No.	74419	Strand	-
Start	8335	End	17804
Name	OJ990728_12.9B12.C19.o4.np	Method	AAT/NAP
Start	12605	End	17568
GI	5902444	Score	415
Exons	12605..12650, 14844..15386, 16798..17267, 17538..17568		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	36103	Seq. ID	OJ990728_12.9B12.C19
Gene No.	74419	Strand	-
Start	8335	End	17804
Name	OJ990728_12.9B12.C19.o1.tw	Method	TBLASTX:Wheat
Start	14852	End	15226
GI	none	Score	198
Exons	14852..15226		

Seq. No.	36103	Seq. ID	OJ990728_12.9B12.C19
Gene No.	74420	Strand	
Start	18928	End	19320
Name	OJ990728_12.9B12.C19.o1.tm	Method	TBLASTX:Maize
Start	18928	End	19320
GI	none	Score	111
Exons	18928..19011, 18930..19019, 19107..19223, 19108..19221, 19218..19319, 19219..19320		

Seq. No.	36104	Seq. ID	OJ990728_12.9B12.C20
Gene No.	74421	Strand	+
Start	399	End	996
Name	OJ990728_12.9B12.C20.o1.gs	Method	GENSCAN
Start	399	End	996
GI	none	Score	.46
Exons	399..531, 862..996		

Seq. No.	36105	Seq. ID	OJ990728_12.9B12.C21
Gene No.	74422	Strand	+
Start	327	End	759

Name	OJ990728_12.9B12.C21.o1.gs	Method	GENSCAN
Start	327	End	694
GI	none	Score	.83
Exons	327..491, 568..694		

Seq. No.	36105	Seq. ID	OJ990728_12.9B12.C21
Gene No.	74422	Strand	+
Start	327	End	759
Name	OJ990728_12.9B12.C21.o1.np	Method	AAT/NAP
Start	333	End	759
GI	129916	Score	482
Exons	333..491, 568..759		
GI Descrip.	PHOSPHOGLYCERATE KINASE, CYTOSOLIC gi\|66911\|pir\|\|TVWTGY phosphoglycerate kinase (EC 2.7.2.3), cytosolic - wheat gi\|21835\|emb\|CAA33302\| (X15232) phosphoglycerate kinase (AA 1 - 401) [Triticum aestivum]		

Seq. No.	36105	Seq. ID	OJ990728_12.9B12.C21
Gene No.	74423	Strand	-
Start	700	End	1064
Name	OJ990728_12.9B12.C21.o1.gp	Method	AAT/GAP
Start	700	End	1064
GI	none	Score	647
Exons	700..1064		

Seq. No.	36105	Seq. ID	OJ990728_12.9B12.C21
Gene No.	74424	Strand	-
Start	1078	End	1388
Name	OJ990728_12.9B12.C21.o1.tm	Method	TBLASTX:Maize
Start	300	End	906
GI	none	Score	146
Exons	300..491, 326..496, 332..490, 585..758, 591..761, 595..762,	336..491, 567..647, 567..716, 595..906, 636..656, 815..847	

Seq. No.	36105	Seq. ID	OJ990728_12.9B12.C21
Gene No.	74424	Strand	-
Start	1078	End	1388
Name	OJ990728_12.9B12.C21.o1.ts	Method	TBLASTX:Soybean
Start	325	End	759
GI	none	Score	131
Exons	325..483, 330..491, 330..491,	565..759, 565..753, 567..758	

Seq. No.	36105	Seq. ID	OJ990728_12.9B12.C21
Gene No.	74424	Strand	-
Start	1078	End	1388
Name	OJ990728_12.9B12.C21.o1.tc	Method	TBLASTX:Cress
Start	326	End	759
GI	none	Score	88
Exons	326..496, 331..462, 332..487, 601..759	336..491, 565..759, 567..758,	

Seq. No.	36105	Seq. ID	OJ990728_12.9B12.C21
Gene No.	74424	Strand	-
Start	1078	End	1388
Name	OJ990728_12.9B12.C21.o1.tw	Method	TBLASTX:Wheat
Start	330	End	719
GI	none	Score	273

Exons	330..491, 336..491, 567..599, 568..603, 601..717, 603..719, 612..719		
Seq. No.	36105	Seq. ID	OJ990728_12.9B12.C21
Gene No.	74424	Strand	-
Start	1078	End	1388
Name	OJ990728_12.9B12.C21.o2.gp	Method	AAT/GAP
Start	1078	End	1388
GI	none	Score	66
Exons	1078..1134, 1363..1388		
Seq. No.	36106	Seq. ID	OJ990728_12.9B12.C22
Gene No.	74425	Strand	+
Start	300	End	503
Name	OJ990728_12.9B12.C22.o1.gs	Method	GENSCAN
Start	300	End	503
GI	none	Score	.81
Exons	300..503		
Seq. No.	36107	Seq. ID	OJ990728_12.9B12.C23
Gene No.	74426	Strand	+
Start	1	End	161
Name	OJ990728_12.9B12.C23.o1.np	Method	AAT/NAP
Start	1	End	161
GI	5042454	Score	122
Exons	1..161		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	36107	Seq. ID	OJ990728_12.9B12.C23
Gene No.	74427	Strand	-
Start	40	End	94
Name	OJ990728_12.9B12.C23.o1.gs	Method	GENSCAN
Start	40	End	94
GI	none	Score	.51
Exons	40..94		
Seq. No.	36108	Seq. ID	OJ990728_12.9B12.C25
Gene No.	74428	Strand	+
Start	159	End	316
Name	OJ990728_12.9B12.C25.o1.gs	Method	GENSCAN
Start	159	End	316
GI	none	Score	.63
Exons	159..316		
Seq. No.	36109	Seq. ID	OJ990728_12.9B12.C28
Gene No.	74429	Strand	+
Start	1366	End	1660
Name	OJ990728_12.9B12.C28.o1.gs	Method	GENSCAN
Start	1366	End	1660
GI	none	Score	.46
Exons	1366..1474, 1506..1660		
Seq. No.	36110	Seq. ID	OJ990728_12.9B12.C29
Gene No.	74430	Strand	+
Start	1	End	713
Name	OJ990728_12.9B12.C29.o1.np	Method	AAT/NAP
Start	1	End	713

GI	4512627	Score	370
Exons	1..53, 134..280, 501..713		
GI Descrip.	(AC004793) Similar to gb\|Z29643 protein kinase C inhibitor (PKCI) from Zea mays and a member of HIT family PF\|01230. [Arabidopsis thaliana]		

Seq. No.	36110	Seq. ID	OJ990728_12.9B12.C29
Gene No.	74430	Strand	+
Start	1	End	713
Name	OJ990728_12.9B12.C29.o1.gs	Method	GENSCAN
Start	97	End	618
GI	none	Score	.83
Exons	97..280, 501..618		

Seq. No.	36110	Seq. ID	OJ990728_12.9B12.C29
Gene No.	74430	Strand	+
Start	1	End	713
Name	OJ990728_12.9B12.C29.o1.tc	Method	TBLASTX:Cress
Start	133	End	575
GI	none	Score	213
Exons	133..279, 134..280, 139..282, 500..574, 501..575		

Seq. No.	36110	Seq. ID	OJ990728_12.9B12.C29
Gene No.	74430	Strand	+
Start	1	End	713
Name	OJ990728_12.9B12.C29.o1.ts	Method	TBLASTX:Soybean
Start	133	End	617
GI	none	Score	209
Exons	133..279, 134..280, 135..281, 139..282, 500..616, 501..617		

Seq. No.	36110	Seq. ID	OJ990728_12.9B12.C29
Gene No.	74430	Strand	+
Start	1	End	713
Name	OJ990728_12.9B12.C29.o1.tm	Method	TBLASTX:Maize
Start	133	End	623
GI	none	Score	213
Exons	133..270, 134..280, 139..282, 500..619, 501..623		

Seq. No.	36110	Seq. ID	OJ990728_12.9B12.C29
Gene No.	74430	Strand	+
Start	1	End	713
Name	OJ990728_12.9B12.C29.o1.gp	Method	AAT/GAP
Start	179	End	629
GI	70222_1.R1084	Score	351
Exons	179..280, 501..629		
GI Descrip.	'629858/pir\|\|S45368 1.0e-37 protein kinase C inhibitor - maize'		

Seq. No.	36111	Seq. ID	OJ990728_12.9B12.C30
Gene No.	74431	Strand	+
Start	145	End	229
Name	OJ990728_12.9B12.C30.o1.gs	Method	GENSCAN
Start	145	End	229
GI	none	Score	.67
Exons	145..229		

Seq. No.	36112	Seq. ID	OJ990728_12.9B12.C31
Gene No.	74432	Strand	+

Start	181	End	296
Name	OJ990728_12.9B12.C31.o1.gs	Method	GENSCAN
Start	181	End	296
GI	none	Score	.83
Exons	181..296		

Seq. No.	36113	Seq. ID	OJ990728_12.9B12.C33
Gene No.	74433	Strand	-
Start	327	End	479
Name	OJ990728_12.9B12.C33.o1.gs	Method	GENSCAN
Start	327	End	479
GI	none	Score	.68
Exons	327..479		

Seq. No.	36114	Seq. ID	OJ990728_12.9B12.C35
Gene No.	74434	Strand	+
Start	56	End	903
Name	OJ990728_12.9B12.C35.o1.gs	Method	GENSCAN
Start	56	End	903
GI	none	Score	.59
Exons	56..256, 349..523, 818..903		

Seq. No.	36114	Seq. ID	OJ990728_12.9B12.C35
Gene No.	74435	Strand	+
Start	1333	End	1714
Name	OJ990728_12.9B12.C35.o1.gp	Method	AAT/GAP
Start	1333	End	1714
GI	uC-osflcyp033a04b1	Score	683
Exons	1333..1714		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	36114	Seq. ID	OJ990728_12.9B12.C35
Gene No.	74436	Strand	-
Start	1	End	2606
Name	OJ990728_12.9B12.C35.o1.np	Method	AAT/NAP
Start	1	End	2606
GI	5852180	Score	563
Exons	1..412, 464..582, 1563..1644, 2517..2606		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	36114	Seq. ID	OJ990728_12.9B12.C35
Gene No.	74436	Strand	-
Start	1	End	2606
Name	OJ990728_12.9B12.C35.o2.gs	Method	GENSCAN
Start	1254	End	2493
GI	none	Score	.58
Exons	1254..1466, 2338..2493		

Seq. No.	36115	Seq. ID	OJ990728_12.9B12.C36
Gene No.	74437	Strand	-
Start	86	End	249
Name	OJ990728_12.9B12.C36.o1.gs	Method	GENSCAN
Start	86	End	249
GI	none	Score	.97
Exons	86..249		

Seq. No.	36115	Seq. ID	OJ990728_12.9B12.C36
Gene No.	74438	Strand	-
Start	1053	End	1237
Name	OJ990728_12.9B12.C36.o1.gp	Method	AAT/GAP
Start	1053	End	1237
GI	1037042	Score	248
Exons	1053..1237		

Seq. No.	36116	Seq. ID	OJ990728_12.9B12.C37
Gene No.	74439	Strand	-
Start	1	End	315
Name	OJ990728_12.9B12.C37.o1.gp	Method	AAT/GAP
Start	1	End	315
GI	uC-osflM202098g11b1	Score	594
Exons	1..315		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	36116	Seq. ID	OJ990728_12.9B12.C37
Gene No.	74440	Strand	-
Start	553	End	1168
Name	OJ990728_12.9B12.C37.o2.gp	Method	AAT/GAP
Start	553	End	1168
GI	none	Score	900
Exons	553..671, 810..1168		

Seq. No.	36117	Seq. ID	OJ990728_12.9B12.C38
Gene No.	74441	Strand	-
Start	108	End	269
Name	OJ990728_12.9B12.C38.o1.gs	Method	GENSCAN
Start	108	End	269
GI	none	Score	.67
Exons	108..269		

Seq. No.	36118	Seq. ID	OJ990728_12.9B12.C42
Gene No.	74442	Strand	+
Start	167	End	1310
Name	OJ990728_12.9B12.C42.o1.gs	Method	GENSCAN
Start	167	End	1310
GI	none	Score	.63
Exons	167..629, 653..1310		

Seq. No.	36118	Seq. ID	OJ990728_12.9B12.C42
Gene No.	74442	Strand	+
Start	167	End	1310
Name	OJ990728_12.9B12.C42.o1.np	Method	AAT/NAP
Start	171	End	1280
GI	2642158	Score	422
Exons	171..1280		
GI Descrip.	(AC003000) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36118	Seq. ID	OJ990728_12.9B12.C42
Gene No.	74442	Strand	+
Start	167	End	1310
Name	OJ990728_12.9B12.C42.o1.tm	Method	TBLASTX:Maize
Start	255	End	1286
GI	none	Score	77

Exons	255..353, 262..366, 779..928, 780..983, 1023..1190, 1202..1276, 1203..1286		
Seq. No.	36118	Seq. ID	OJ990728_12.9B12.C42
Gene No.	74442	Strand	+
Start	167	End	1310
Name	OJ990728_12.9B12.C42.o1.ts	Method	TBLASTX:Soybean
Start	715	End	1286
GI	none	Score	39
Exons	715..774, 780..983, 782..940, 837..974, 1023..1190, 1160..1276, 1203..1286		
Seq. No.	36118	Seq. ID	OJ990728_12.9B12.C42
Gene No.	74442	Strand	+
Start	167	End	1310
Name	OJ990728_12.9B12.C42.o1.tc	Method	TBLASTX:Cress
Start	876	End	1283
GI	none	Score	80
Exons	876..983, 1023..1193, 1106..1189, 1107..1283, 1202..1282		
Seq. No.	36118	Seq. ID	OJ990728_12.9B12.C42
Gene No.	74442	Strand	+
Start	167	End	1310
Name	OJ990728_12.9B12.C42.o1.tw	Method	TBLASTX:Wheat
Start	885	End	1298
GI	none	Score	72
Exons	885..959, 1029..1190, 1199..1297, 1200..1298		
Seq. No.	36119	Seq. ID	OJ990728_12.9B12.C44
Gene No.	74443	Strand	+
Start	1	End	359
Name	OJ990728_12.9B12.C44.o1.np	Method	AAT/NAP
Start	1	End	357
GI	4680501	Score	275
Exons	1..357		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		
Seq. No.	36119	Seq. ID	OJ990728_12.9B12.C44
Gene No.	74443	Strand	+
Start	1	End	359
Name	OJ990728_12.9B12.C44.o1.tm	Method	TBLASTX:Maize
Start	1	End	350
GI	none	Score	60
Exons	1..57, 79..249, 250..342, 261..350		
Seq. No.	36119	Seq. ID	OJ990728_12.9B12.C44
Gene No.	74443	Strand	+
Start	1	End	359
Name	OJ990728_12.9B12.C44.o1.ts	Method	TBLASTX:Soybean
Start	1	End	350
GI	none	Score	65
Exons	1..57, 78..203, 79..249, 250..342, 261..350		
Seq. No.	36119	Seq. ID	OJ990728_12.9B12.C44
Gene No.	74443	Strand	+
Start	1	End	359
Name	OJ990728_12.9B12.C44.o1.tw	Method	TBLASTX:Wheat

Start	1	End	351
GI	none	Score	58
Exons	1..63, 73..246, 261..326, 262..351		

Seq. No.	36119	Seq. ID	OJ990728_12.9B12.C44
Gene No.	74443	Strand	+
Start	1	End	359
Name	OJ990728_12.9B12.C44.o1.gs	Method	GENSCAN
Start	79	End	359
GI	none	Score	.55
Exons	79..359		

Seq. No.	36120	Seq. ID	OJ990728_12.9B12.C45
Gene No.	74444	Strand	+
Start	320	End	963
Name	OJ990728_12.9B12.C45.o1.np	Method	AAT/NAP
Start	320	End	963
GI	129916	Score	478
Exons	320..597, 703..963		
GI Descrip.	PHOSPHOGLYCERATE KINASE, CYTOSOLIC gi\|66911\|pir\|\|TVWTGY phosphoglycerate kinase (EC 2.7.2.3), cytosolic - wheat gi\|21835\|emb\|CAA33302\| (X15232) phosphoglycerate kinase (AA 1 - 401) [Triticum aestivum]		

Seq. No.	36120	Seq. ID	OJ990728_12.9B12.C45
Gene No.	74444	Strand	+
Start	320	End	963
Name	OJ990728_12.9B12.C45.o1.gp	Method	AAT/GAP
Start	783	End	963
GI	572042	Score	358
Exons	783..963		
GI Descrip.	129916/sp\|P12783\|PGKY_WHEAT 1.0e-38 PHOSPHOGLYCERATE KINASE, CYTOSOLIC >gi_66911_pir__TVWTGY phosphoglycerate kinase (EC 2.7.2.3), cytosolic - wheat >gi_21835_emb_CAA33302_ (X15232) phosphoglycerate kinase (AA 1 - 401) [Triticum aestivum]		

Seq. No.	36120	Seq. ID	OJ990728_12.9B12.C45
Gene No.	74445	Strand	-
Start	516	End	963
Name	OJ990728_12.9B12.C45.o1.tc	Method	TBLASTX:Cress
Start	463	End	963
GI	none	Score	139
Exons	463..600, 519..599, 700..963, 702..962, 703..963		

Seq. No.	36120	Seq. ID	OJ990728_12.9B12.C45
Gene No.	74445	Strand	-
Start	516	End	963
Name	OJ990728_12.9B12.C45.o1.tm	Method	TBLASTX:Maize
Start	463	End	963
GI	none	Score	145
Exons	463..600, 518..595, 519..599, 702..962, 703..963		

Seq. No.	36120	Seq. ID	OJ990728_12.9B12.C45
Gene No.	74445	Strand	-
Start	516	End	963
Name	OJ990728_12.9B12.C45.o1.ts	Method	TBLASTX:Soybean
Start	463	End	963

GI	none	Score	125
Exons	463..600, 519..599, 674..949,	699..962,	703..963

Seq. No.	36120	Seq. ID	OJ990728_12.9B12.C45
Gene No.	74445	Strand	-
Start	516	End	963
Name	OJ990728_12.9B12.C45.o1.gs	Method	GENSCAN
Start	516	End	900
GI	none	Score	.65
Exons	516..602, 648..797, 859..900		

Seq. No.	36121	Seq. ID	OJ990728_12.9B12.C47
Gene No.	74446	Strand	+
Start	1	End	2060
Name	OJ990728_12.9B12.C47.o1.np	Method	AAT/NAP
Start	1	End	2010
GI	4680338	Score	231
Exons	1..101, 1160..2010		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	36121	Seq. ID	OJ990728_12.9B12.C47
Gene No.	74446	Strand	+
Start	1	End	2060
Name	OJ990728_12.9B12.C47.o1.gs	Method	GENSCAN
Start	56	End	2060
GI	none	Score	.82
Exons	56..150, 456..625, 1035..1268,	1298..2060	

Seq. No.	36121	Seq. ID	OJ990728_12.9B12.C47
Gene No.	74447	Strand	-
Start	2478	End	2570
Name	OJ990728_12.9B12.C47.o2.gs	Method	GENSCAN
Start	2478	End	2570
GI	none	Score	.93
Exons	2478..2570		

Seq. No.	36122	Seq. ID	OJ990728_12.9B12.C49
Gene No.	74448	Strand	+
Start	5096	End	8583
Name	OJ990728_12.9B12.C49.o2.np	Method	AAT/NAP
Start	5096	End	8583
GI	5852180	Score	578
Exons	5096..5151, 6146..6255, 6307..6716,	7421..7460,	8501..8583
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	36122	Seq. ID	OJ990728_12.9B12.C49
Gene No.	74448	Strand	+
Start	5096	End	8583
Name	OJ990728_12.9B12.C49.o2.gs	Method	GENSCAN
Start	5813	End	5944
GI	none	Score	.41
Exons	5813..5944		

Seq. No.	36122	Seq. ID	OJ990728_12.9B12.C49
Gene No.	74449	Strand	-
Start	75	End	4990
Name	OJ990728_12.9B12.C49.o1.gs	Method	GENSCAN

Start	75	End	4990
GI	none	Score	.5
Exons	75..304, 817..987, 2344..3733, 4027..4158, 4531..4552, 4914..4990		

Seq. No.	36122	Seq. ID	OJ990728_12.9B12.C49
Gene No.	74449	Strand	-
Start	75	End	4990
Name	OJ990728_12.9B12.C49.o1.np	Method	AAT/NAP
Start	420	End	4047
GI	729704	Score	61
Exons	420..466, 2419..2493, 2749..2831, 3074..3130, 3353..3448, 4015..4047		
GI Descrip.	DNA-BINDING PROTEIN HEXBP (HEXAMER-BINDING PROTEIN) gi\|1078700\|pir\|\|A47156 hexamer-binding protein HEXBP - Leishmania major gi\|159342 (M94390) HEXBP DNA binding protein [Leishmania major]		

Seq. No.	36122	Seq. ID	OJ990728_12.9B12.C49
Gene No.	74450	Strand	-
Start	4992	End	5376
Name	OJ990728_12.9B12.C49.o1.gp	Method	AAT/GAP
Start	4992	End	5376
GI	uC-osflcyp033a04b1	Score	608
Exons	4992..5376		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	36122	Seq. ID	OJ990728_12.9B12.C49
Gene No.	74451	Strand	-
Start	5803	End	8520
Name	OJ990728_12.9B12.C49.o3.gp	Method	AAT/GAP
Start	5803	End	6725
GI	2428924	Score	580
Exons	5803..5901, 6461..6725		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	36122	Seq. ID	OJ990728_12.9B12.C49
Gene No.	74451	Strand	-
Start	5803	End	8520
Name	OJ990728_12.9B12.C49.o3.gs	Method	GENSCAN
Start	6133	End	8520
GI	none	Score	.74
Exons	6133..6330, 6461..6688, 7590..7735, 8247..8520		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74452	Strand	+
Start	4444	End	18765
Name	OJ990728_12.9B12.C50.o5.np	Method	AAT/NAP
Start	4444	End	18765
GI	5852180	Score	637
Exons	4444..4472, 9282..9332, 10321..10438, 10491..10848, 11013..11067, 11768..11809, 18698..18765		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50

Gene No.	74452	Strand	+
Start	4444	End	18765
Name	OJ990728_12.9B12.C50.o6.np	Method	AAT/NAP
Start	8546	End	13554
GI	5852180	Score	649
Exons	8546..8643, 9285..9332, 10321..10438, 10491..10848, 11013..11067, 11768..11838, 13519..13554		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74453	Strand	-
Start	1069	End	12534
Name	OJ990728_12.9B12.C50.o1.gp	Method	AAT/GAP
Start	283	End	650
GI	uC-osflcyp033a04b1	Score	565
Exons	283..650		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74453	Strand	-
Start	1069	End	12534
Name	OJ990728_12.9B12.C50.o1.gs	Method	GENSCAN
Start	1069	End	12534
GI	none	Score	.73
Exons	1069..1176, 1437..1559, 1742..2280, 2761..7249, 7475..7503, 7542..8307, 9208..9308, 9781..9839, 10343..10942, 11008..11350, 11410..11438, 12419..12534		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74453	Strand	-
Start	1069	End	12534
Name	OJ990728_12.9B12.C50.o2.np	Method	AAT/NAP
Start	2747	End	7252
GI	4680179	Score	5435
Exons	2747..6148, 6182..7252		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74453	Strand	-
Start	1069	End	12534
Name	OJ990728_12.9B12.C50.o1.np	Method	AAT/NAP
Start	2765	End	5536
GI	4539665	Score	3373
Exons	2765..5536		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74453	Strand	-
Start	1069	End	12534
Name	OJ990728_12.9B12.C50.o3.gp	Method	AAT/GAP
Start	7578	End	8032
GI	95437_1.R1084	Score	770
Exons	7578..8032		
GI Descrip.	'4512226/dbj\|AB014738.1\|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74453	Strand	-
Start	1069	End	12534
Name	OJ990728_12.9B12.C50.o4.gp	Method	AAT/GAP
Start	9181	End	9565
GI	uC-osflcyp033a04b1	Score	616
Exons	9181..9565		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o6.tw	Method	TBLASTX:Wheat
Start	2792	End	3125
GI	none	Score	95
Exons	2792..3124, 2813..3121, 2856..3125		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o1.tm	Method	TBLASTX:Maize
Start	2972	End	3571
GI	none	Score	212
Exons	2972..3412, 2988..3413, 3410..3571, 3417..3563		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o1.tw	Method	TBLASTX:Wheat
Start	3125	End	3751
GI	none	Score	68
Exons	3125..3751, 3128..3250, 3237..3695		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o4.tm	Method	TBLASTX:Maize
Start	3620	End	3912
GI	none	Score	216
Exons	3620..3910, 3624..3911, 3724..3912		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o2.ts	Method	TBLASTX:Soybean
Start	3710	End	3970
GI	none	Score	159
Exons	3710..3970, 3711..3965		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o1.tc	Method	TBLASTX:Cress
Start	3734	End	4051
GI	none	Score	78

Exons	3734..3877, 3735..3875, 3878..4051		
Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o2.tw	Method	TBLASTX:Wheat
Start	3758	End	20020
GI	none	Score	268
Exons	3758..4222, 3758..4294, 3762..4325, 19790..20020		
Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o2.tm	Method	TBLASTX:Maize
Start	4325	End	20401
GI	none	Score	233
Exons	4325..4678, 4329..4679, 20048..20401, 20055..20396		
Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o3.tw	Method	TBLASTX:Wheat
Start	4328	End	20473
GI	none	Score	213
Exons	4328..4702, 4328..4750, 4329..4718, 20048..20398, 20048..20473, 20055..20471		
Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o3.ts	Method	TBLASTX:Soybean
Start	4499	End	20464
GI	none	Score	66
Exons	4499..4744, 4599..4727, 20219..20464		
Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o3.tm	Method	TBLASTX:Maize
Start	4715	End	20938
GI	none	Score	50
Exons	4715..5029, 4758..4808, 4836..4889, 5036..5215, 5085..5207, 20438..20740, 20559..20687, 20801..20938, 20805..20930		
Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o5.tw	Method	TBLASTX:Wheat
Start	4751	End	20737
GI	none	Score	266
Exons	4751..5053, 4767..5042, 20474..20737, 20475..20735		
Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o1.ts	Method	TBLASTX:Soybean
Start	4766	End	20884

GI	none	Score	178
Exons	4766..5125, 4767..5042, 5085..5123, 5129..5161, 5130..5159, 20489..20740, 20499..20732, 20795..20848, 20805..20846, 20852..20884, 20852..20884		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o4.tw	Method	TBLASTX:Wheat
Start	5102	End	21308
GI	none	Score	257
Exons	5102..5479, 5145..5576, 5534..5584, 20825..21307, 20828..21304, 20868..21308		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o4.ts	Method	TBLASTX:Soybean
Start	5234	End	21271
GI	none	Score	190
Exons	5234..5479, 20966..21271		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o5.tm	Method	TBLASTX:Maize
Start	5283	End	21298
GI	none	Score	185
Exons	5283..5573, 5285..5572, 21006..21296, 21008..21298		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o8.tw	Method	TBLASTX:Wheat
Start	5699	End	21844
GI	none	Score	77
Exons	5699..5866, 5754..5867, 5912..6121, 5913..6065, 21470..21589, 21471..21584, 21653..21844, 21678..21809		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o7.tm	Method	TBLASTX:Maize
Start	5804	End	21923
GI	none	Score	68
Exons	5804..6157, 21527..21847, 21729..21803, 21894..21923		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o7.tw	Method	TBLASTX:Wheat
Start	6443	End	22477
GI	none	Score	110
Exons	6443..6793, 6600..6794, 22127..22477		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-

Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o6.tm	Method	TBLASTX:Maize
Start	6488	End	22477
GI	none	Score	90
Exons	6488..6793, 6663..6779, 22172..22477		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o9.tw	Method	TBLASTX:Wheat
Start	6827	End	22727
GI	none	Score	62
Exons	6827..6919, 6828..7025, 6830..7027, 22529..22726, 22530..22727		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o7.np	Method	AAT/NAP
Start	17470	End	23477
GI	4680179	Score	3580
Exons	17470..17500, 19783..21871, 21899..22888, 23432..23477		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o8.np	Method	AAT/NAP
Start	17977	End	23929
GI	5257279	Score	2464
Exons	17977..18019, 19843..22122, 22162..22859, 23389..23929		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o9.np	Method	AAT/NAP
Start	20008	End	24112
GI	4432807	Score	1623
Exons	20008..21759, 21820..22756, 24065..24112		
GI Descrip.	(AC006570) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	36123	Seq. ID	OJ990728_12.9B12.C50
Gene No.	74454	Strand	-
Start	17470	End	24112
Name	OJ990728_12.9B12.C50.o10.np	Method	AAT/NAP
Start	23159	End	23947
GI	4512231	Score	1253
Exons	23159..23947		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	36124	Seq. ID	OJ990728_12.9B12.C53
Gene No.	74455	Strand	+
Start	1	End	738
Name	OJ990728_12.9B12.C53.o1.np	Method	AAT/NAP
Start	1	End	738

GI	5702196	Score	278
Exons	1..738		
GI Descrip.	(AF107293) rust resistance protein [Zea mays]		

Seq. No.	36124	Seq. ID	OJ990728_12.9B12.C53
Gene No.	74455	Strand	+
Start	1	End	738
Name	OJ990728_12.9B12.C53.o1.ts	Method	TBLASTX:Soybean
Start	66	End	533
GI	none	Score	112
Exons	66..287, 330..533		

Seq. No.	36124	Seq. ID	OJ990728_12.9B12.C53
Gene No.	74455	Strand	+
Start	1	End	738
Name	OJ990728_12.9B12.C53.o1.gs	Method	GENSCAN
Start	339	End	605
GI	none	Score	.45
Exons	339..605		

Seq. No.	36125	Seq. ID	OJ990728_12.9B12.C55
Gene No.	74456	Strand	+
Start	1	End	1029
Name	OJ990728_12.9B12.C55.o1.gp	Method	AAT/GAP
Start	1	End	1029
GI	30856_1.R1084	Score	1099
Exons	1..22, 161..252, 437..607, 697..1029		
GI Descrip.	'3668097 3.0e-57 (AC004667) putative glycine cleavage system protein H precursor [Arabidopsis thaliana]'		

Seq. No.	36125	Seq. ID	OJ990728_12.9B12.C55
Gene No.	74456	Strand	+
Start	1	End	1029
Name	OJ990728_12.9B12.C55.o1.np	Method	AAT/NAP
Start	84	End	822
GI	3668097	Score	462
Exons	84..252, 437..607, 697..822		
GI Descrip.	(AC004667) glycine decarboxylase complex H-protein [Arabidopsis thaliana]		

Seq. No.	36125	Seq. ID	OJ990728_12.9B12.C55
Gene No.	74456	Strand	+
Start	1	End	1029
Name	OJ990728_12.9B12.C55.o1.tc	Method	TBLASTX:Cress
Start	153	End	828
GI	none	Score	137
Exons	153..242, 163..252, 359..418, 428..610, 434..625, 436..618, 697..828, 697..825		

Seq. No.	36125	Seq. ID	OJ990728_12.9B12.C55
Gene No.	74456	Strand	+
Start	1	End	1029
Name	OJ990728_12.9B12.C55.o1.tm	Method	TBLASTX:Maize
Start	153	End	825
GI	none	Score	157
Exons	153..248, 163..252, 166..252, 173..253, 174..257, 433..618, 434..625, 434..625, 685..825, 697..816		

Seq. No.	36125	Seq. ID	OJ990728_12.9B12.C55
Gene No.	74456	Strand	+
Start	1	End	1029
Name	OJ990728_12.9B12.C55.o1.ts	Method	TBLASTX:Soybean
Start	153	End	825
GI	none	Score	143
Exons	153..242, 163..252, 163..252, 427..543, 432..545, 433..618, 434..625, 697..825, 712..825		

Seq. No.	36125	Seq. ID	OJ990728_12.9B12.C55
Gene No.	74456	Strand	+
Start	1	End	1029
Name	OJ990728_12.9B12.C55.o1.gs	Method	GENSCAN
Start	164	End	825
GI	none	Score	.98
Exons	164..252, 437..607, 697..825		

Seq. No.	36126	Seq. ID	OJ990728_12.9B12.C61
Gene No.	74457	Strand	+
Start	371	End	1192
Name	OJ990728_12.9B12.C61.o1.gs	Method	GENSCAN
Start	371	End	1192
GI	none	Score	.65
Exons	371..1192		

Seq. No.	36126	Seq. ID	OJ990728_12.9B12.C61
Gene No.	74457	Strand	+
Start	371	End	1192
Name	OJ990728_12.9B12.C61.o1.np	Method	AAT/NAP
Start	371	End	1171
GI	4544372	Score	377
Exons	371..1171		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	36126	Seq. ID	OJ990728_12.9B12.C61
Gene No.	74458	Strand	-
Start	1477	End	2854
Name	OJ990728_12.9B12.C61.o1.tw	Method	TBLASTX:Wheat
Start	749	End	1156
GI	none	Score	223
Exons	749..1156, 949..1122		

Seq. No.	36126	Seq. ID	OJ990728_12.9B12.C61
Gene No.	74458	Strand	-
Start	1477	End	2854
Name	OJ990728_12.9B12.C61.o1.ts	Method	TBLASTX:Soybean
Start	932	End	1182
GI	none	Score	237
Exons	932..1171, 934..1071, 1141..1182		

Seq. No.	36126	Seq. ID	OJ990728_12.9B12.C61
Gene No.	74458	Strand	-
Start	1477	End	2854
Name	OJ990728_12.9B12.C61.o2.gs	Method	GENSCAN
Start	1477	End	2854

GI	none	Score	.96
Exons	1477..2157, 2236..2319, 2552..2854		

Seq. No.	36127	Seq. ID	OJ990728_12.9B12.C66
Gene No.	74459	Strand	+
Start	1	End	549
Name	OJ990728_12.9B12.C66.o1.np	Method	AAT/NAP
Start	1	End	549
GI	5852180	Score	38
Exons	1..127, 356..414, 475..549		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	36127	Seq. ID	OJ990728_12.9B12.C66
Gene No.	74459	Strand	+
Start	1	End	549
Name	OJ990728_12.9B12.C66.o1.gs	Method	GENSCAN
Start	361	End	414
GI	none	Score	.69
Exons	361..414		

Seq. No.	36127	Seq. ID	OJ990728_12.9B12.C66
Gene No.	74460	Strand	-
Start	263	End	549
Name	OJ990728_12.9B12.C66.o1.gp	Method	AAT/GAP
Start	263	End	549
GI	uC-osflcyp033a04b1	Score	497
Exons	263..549		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	36128	Seq. ID	OJ990908_13.9B15.C1
Gene No.	74461	Strand	+
Start	14	End	314
Name	OJ990908_13.9B15.C1.o1.gp	Method	AAT/GAP
Start	14	End	314
GI	LIB3433-042-P1-K1-G10	Score	557
Exons	14..314		
GI Descrip.	'2924784 2.0e-33 (AC002334) similar to jasmonate inducible protein [Arabidopsis thaliana]'		

Seq. No.	36129	Seq. ID	OJ990908_13.9B15.C3
Gene No.	74462	Strand	-
Start	214	End	503
Name	OJ990908_13.9B15.C3.o1.gs	Method	GENSCAN
Start	214	End	503
GI	none	Score	.68
Exons	214..272, 398..503		

Seq. No.	36130	Seq. ID	OJ990908_13.9B15.C4
Gene No.	74463	Strand	+
Start	1	End	1340
Name	OJ990908_13.9B15.C4.o1.gp	Method	AAT/GAP
Start	1	End	1340
GI	2169_1.R1084	Score	1845
Exons	1..985, 1311..1340		
GI Descrip.	'2244847/emb\|CAB10269.1\| 6.0e-31 (Z97337) hydroxyproline-rich glycoprotein homolog [Arabidopsis thaliana]'		

Seq. No.	36130	Seq. ID	OJ990908_13.9B15.C4
Gene No.	74463	Strand	+
Start	1	End	1340
Name	OJ990908_13.9B15.C4.o1.tm	Method	TBLASTX:Maize
Start	1	End	959
GI	none	Score	207
Exons	1..297, 2..298, 2..85, 15..275, 109..297, 318..953, 319..954, 319..954, 320..955, 323..955, 423..959		

Seq. No.	36130	Seq. ID	OJ990908_13.9B15.C4
Gene No.	74463	Strand	+
Start	1	End	1340
Name	OJ990908_13.9B15.C4.o1.ts	Method	TBLASTX:Soybean
Start	2	End	959
GI	none	Score	227
Exons	2..214, 407..646, 409..645, 493..648, 701..955, 711..959, 715..954		

Seq. No.	36130	Seq. ID	OJ990908_13.9B15.C4
Gene No.	74463	Strand	+
Start	1	End	1340
Name	OJ990908_13.9B15.C4.o1.tc	Method	TBLASTX:Cress
Start	23	End	956
GI	none	Score	191
Exons	23..223, 24..77, 379..648, 380..649, 447..671, 700..954, 701..955, 732..956		

Seq. No.	36130	Seq. ID	OJ990908_13.9B15.C4
Gene No.	74463	Strand	+
Start	1	End	1340
Name	OJ990908_13.9B15.C4.o1.gs	Method	GENSCAN
Start	131	End	953
GI	none	Score	.88
Exons	131..953		

Seq. No.	36131	Seq. ID	OJ990908_13.9B15.C6
Gene No.	74464	Strand	+
Start	132	End	1329
Name	OJ990908_13.9B15.C6.o1.gs	Method	GENSCAN
Start	132	End	1329
GI	none	Score	.91
Exons	132..401, 483..881, 973..1167, 1258..1329		

Seq. No.	36131	Seq. ID	OJ990908_13.9B15.C6
Gene No.	74464	Strand	+
Start	132	End	1329
Name	OJ990908_13.9B15.C6.o2.tm	Method	TBLASTX:Maize
Start	134	End	542
GI	none	Score	40
Exons	134..157, 173..397, 193..396, 217..420, 453..542, 483..539		

Seq. No.	36131	Seq. ID	OJ990908_13.9B15.C6
Gene No.	74464	Strand	+
Start	132	End	1329
Name	OJ990908_13.9B15.C6.o1.tm	Method	TBLASTX:Maize
Start	639	End	1167

GI	none	Score	368
Exons	639..890, 642..875, 653..883, 964..1167, 967..1167	959..1165, 963..1166, 963..1166,	

Seq. No.	36131	Seq. ID	OJ990908_13.9B15.C6
Gene No.	74464	Strand	+
Start	132	End	1329
Name	OJ990908_13.9B15.C6.o1.ts	Method	TBLASTX:Soybean
Start	668	End	1167
GI	none	Score	124
Exons	668..745, 669..785, 675..746, 963..1151, 964..1167	753..935, 755..883, 771..923,	

Seq. No.	36132	Seq. ID	OJ990908_13.9B15.C10
Gene No.	74465	Strand	+
Start	131	End	370
Name	OJ990908_13.9B15.C10.o1.gs	Method	GENSCAN
Start	131	End	370
GI	none	Score	.55
Exons	131..370		

Seq. No.	36133	Seq. ID	OJ990908_13.9B15.C11
Gene No.	74466	Strand	-
Start	1	End	1116
Name	OJ990908_13.9B15.C11.o1.gp	Method	AAT/GAP
Start	1	End	863
GI	23998_1.R1084	Score	855
Exons	1..257, 674..863		
GI Descrip.	'5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	36133	Seq. ID	OJ990908_13.9B15.C11
Gene No.	74466	Strand	-
Start	1	End	1116
Name	OJ990908_13.9B15.C11.o1.tm	Method	TBLASTX:Maize
Start	1	End	268
GI	none	Score	195
Exons	1..267, 6..257, 11..268, 106..258		

Seq. No.	36133	Seq. ID	OJ990908_13.9B15.C11
Gene No.	74466	Strand	-
Start	1	End	1116
Name	OJ990908_13.9B15.C11.o1.ts	Method	TBLASTX:Soybean
Start	1	End	264
GI	none	Score	66
Exons	1..249, 8..148, 45..176, 103..264		

Seq. No.	36133	Seq. ID	OJ990908_13.9B15.C11
Gene No.	74466	Strand	-
Start	1	End	1116
Name	OJ990908_13.9B15.C11.o1.gs	Method	GENSCAN
Start	34	End	1116
GI	none	Score	.58
Exons	34..308, 674..797, 1060..1116		

Seq. No.	36134	Seq. ID	OJ990908_13.9B15.C12
Gene No.	74467	Strand	+

Start	171	End	458
Name	OJ990908_13.9B15.C12.o1.gs	Method	GENSCAN
Start	171	End	458
GI	none	Score	.99
Exons	171..458		

Seq. No.	36134	Seq. ID	OJ990908_13.9B15.C12
Gene No.	74468	Strand	+
Start	1445	End	3185
Name	OJ990908_13.9B15.C12.o1.np	Method	AAT/NAP
Start	1445	End	3185
GI	3645898	Score	286
Exons	1445..1470, 2687..3185		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	36134	Seq. ID	OJ990908_13.9B15.C12
Gene No.	74469	Strand	-
Start	1420	End	2771
Name	OJ990908_13.9B15.C12.o2.gs	Method	GENSCAN
Start	1420	End	2771
GI	none	Score	.61
Exons	1420..1592, 2366..2467, 2708..2771		

Seq. No.	36134	Seq. ID	OJ990908_13.9B15.C12
Gene No.	74470	Strand	
Start	2901	End	3140
Name	OJ990908_13.9B15.C12.o1.tm	Method	TBLASTX:Maize
Start	2901	End	3140
GI	none	Score	181
Exons	2901..3140, 2952..3140		

Seq. No.	36135	Seq. ID	OJ990908_13.9B15.C13
Gene No.	74471	Strand	-
Start	566	End	976
Name	OJ990908_13.9B15.C13.o1.gs	Method	GENSCAN
Start	566	End	976
GI	none	Score	.65
Exons	566..674, 885..976		

Seq. No.	36136	Seq. ID	OJ990908_13.9B15.C15
Gene No.	74472	Strand	-
Start	434	End	667
Name	OJ990908_13.9B15.C15.o1.gs	Method	GENSCAN
Start	434	End	667
GI	none	Score	.62
Exons	434..667		

Seq. No.	36137	Seq. ID	OJ990908_13.9B15.C16
Gene No.	74473	Strand	-
Start	714	End	821
Name	OJ990908_13.9B15.C16.o1.gs	Method	GENSCAN
Start	714	End	821
GI	none	Score	.94
Exons	714..821		

Seq. No.	36138	Seq. ID	OJ990908_13.9B15.C17

Gene No.	74474	Strand	+
Start	1	End	253
Name	OJ990908_13.9B15.C17.o1.np	Method	AAT/NAP
Start	1	End	253
GI	6967112	Score	193
Exons	1..253		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	36138	Seq. ID	OJ990908_13.9B15.C17
Gene No.	74475	Strand	+
Start	572	End	654
Name	OJ990908_13.9B15.C17.o1.ts	Method	TBLASTX:Soybean
Start	1	End	258
GI	none	Score	65
Exons	1..69, 69..257, 70..258		

Seq. No.	36138	Seq. ID	OJ990908_13.9B15.C17
Gene No.	74475	Strand	+
Start	572	End	654
Name	OJ990908_13.9B15.C17.o1.tm	Method	TBLASTX:Maize
Start	3	End	206
GI	none	Score	87
Exons	3..152, 3..206, 4..177		

Seq. No.	36138	Seq. ID	OJ990908_13.9B15.C17
Gene No.	74475	Strand	+
Start	572	End	654
Name	OJ990908_13.9B15.C17.o1.gp	Method	AAT/GAP
Start	572	End	654
GI	700756	Score	166
Exons	572..654		

Seq. No.	36139	Seq. ID	OJ990908_13.9B15.C18
Gene No.	74476	Strand	+
Start	1	End	471
Name	OJ990908_13.9B15.C18.o1.gp	Method	AAT/GAP
Start	1	End	471
GI	342_1.R1084	Score	830
Exons	1..471		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	36139	Seq. ID	OJ990908_13.9B15.C18
Gene No.	74476	Strand	+
Start	1	End	471
Name	OJ990908_13.9B15.C18.o1.np	Method	AAT/NAP
Start	1	End	459
GI	4680203	Score	463
Exons	1..459		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	36139	Seq. ID	OJ990908_13.9B15.C18
Gene No.	74476	Strand	+
Start	1	End	471
Name	OJ990908_13.9B15.C18.o1.tw	Method	TBLASTX:Wheat
Start	1	End	405
GI	none	Score	74

Exons	1..45, 3..47, 5..40, 48..143, 52..111, 90..230, 91..231, 244..324, 313..405, 339..404		
Seq. No.	36140	Seq. ID	OJ990908_13.9B15.C19
Gene No.	74477	Strand	+
Start	193	End	528
Name	OJ990908_13.9B15.C19.o1.gs	Method	GENSCAN
Start	193	End	528
GI	none	Score	.49
Exons	193..528		
Seq. No.	36140	Seq. ID	OJ990908_13.9B15.C19
Gene No.	74478	Strand	-
Start	373	End	591
Name	OJ990908_13.9B15.C19.o1.gp	Method	AAT/GAP
Start	373	End	591
GI	2310235	Score	335
Exons	373..591		
GI Descrip.	5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	36141	Seq. ID	OJ990908_13.9B15.C20
Gene No.	74479	Strand	-
Start	1	End	251
Name	OJ990908_13.9B15.C20.o1.np	Method	AAT/NAP
Start	1	End	251
GI	5679684	Score	91
Exons	1..251		
GI Descrip.	(AJ243828) phosphatase 2A regulatory A subunit [Oryza sativa] gi\|5679686\|emb\|CAB51804.1\| (AJ243829) protein phosphatase 2A A subunit [Oryza sativa]		
Seq. No.	36141	Seq. ID	OJ990908_13.9B15.C20
Gene No.	74479	Strand	-
Start	1	End	251
Name	OJ990908_13.9B15.C20.o1.gp	Method	AAT/GAP
Start	81	End	159
GI	966_1.R1084	Score	114
Exons	81..159		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	36142	Seq. ID	OJ990908_13.9B15.C21
Gene No.	74480	Strand	+
Start	193	End	655
Name	OJ990908_13.9B15.C21.o1.np	Method	AAT/NAP
Start	193	End	655
GI	4680180	Score	174
Exons	193..655		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	36143	Seq. ID	OJ990908_13.9B15.C23
Gene No.	74481	Strand	+
Start	1	End	465
Name	OJ990908_13.9B15.C23.o1.gp	Method	AAT/GAP
Start	1	End	465
GI	2169_1.R1084	Score	801

Exons	1..465		
GI Descrip.	'2244847/emb\|CAB10269.1\| 6.0e-31 (Z97337) hydroxyproline-rich glycoprotein homolog [Arabidopsis thaliana]'		
Seq. No.	36143	Seq. ID	OJ990908_13.9B15.C23
Gene No.	74482	Strand	-
Start	67	End	478
Name	OJ990908_13.9B15.C23.o1.tw	Method	TBLASTX:Wheat
Start	1	End	465
GI	none	Score	155
Exons	1..210, 45..464, 48..464, 103..465, 271..465		
Seq. No.	36143	Seq. ID	OJ990908_13.9B15.C23
Gene No.	74482	Strand	-
Start	67	End	478
Name	OJ990908_13.9B15.C23.o1.tm	Method	TBLASTX:Maize
Start	23	End	466
GI	none	Score	261
Exons	23..157, 24..464, 130..252, 140..253, 147..269, 196..465, 249..389, 260..466, 271..465		
Seq. No.	36143	Seq. ID	OJ990908_13.9B15.C23
Gene No.	74482	Strand	-
Start	67	End	478
Name	OJ990908_13.9B15.C23.o1.gs	Method	GENSCAN
Start	67	End	456
GI	none	Score	.66
Exons	67..456		
Seq. No.	36143	Seq. ID	OJ990908_13.9B15.C23
Gene No.	74482	Strand	-
Start	67	End	478
Name	OJ990908_13.9B15.C23.o1.ts	Method	TBLASTX:Soybean
Start	80	End	478
GI	none	Score	111
Exons	80..130, 151..240, 247..465, 257..436, 263..478, 271..465		
Seq. No.	36144	Seq. ID	OJ990908_13.9B15.C25
Gene No.	74483	Strand	+
Start	1	End	375
Name	OJ990908_13.9B15.C25.o1.np	Method	AAT/NAP
Start	1	End	375
GI	6630685	Score	497
Exons	1..375		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		
Seq. No.	36144	Seq. ID	OJ990908_13.9B15.C25
Gene No.	74483	Strand	+
Start	1	End	375
Name	OJ990908_13.9B15.C25.o1.tm	Method	TBLASTX:Maize
Start	2	End	357
GI	none	Score	249
Exons	2..184, 2..85, 4..150, 13..195, 140..187, 176..355, 178..357, 186..356		
Seq. No.	36144	Seq. ID	OJ990908_13.9B15.C25

Gene No.	74483	Strand	+
Start	1	End	375
Name	OJ990908_13.9B15.C25.o1.ts	Method	TBLASTX:Soybean
Start	2	End	230
GI	5509260	Score	207
Exons	2..184, 3..122, 34..138, 178..228, 186..230		
GI Descrip.	-		

Seq. No.	36144	Seq. ID	OJ990908_13.9B15.C25
Gene No.	74483	Strand	+
Start	1	End	375
Name	OJ990908_13.9B15.C25.o1.tw	Method	TBLASTX:Wheat
Start	2	End	216
GI	none	Score	218
Exons	2..184, 31..189, 49..147, 178..216		

Seq. No.	36144	Seq. ID	OJ990908_13.9B15.C25
Gene No.	74483	Strand	+
Start	1	End	375
Name	OJ990908_13.9B15.C25.o1.gs	Method	GENSCAN
Start	50	End	197
GI	none	Score	.94
Exons	50..197		

Seq. No.	36145	Seq. ID	OJ990908_13.9B15.C26
Gene No.	74484	Strand	-
Start	486	End	617
Name	OJ990908_13.9B15.C26.o1.gs	Method	GENSCAN
Start	486	End	617
GI	none	Score	.68
Exons	486..617		

Seq. No.	36146	Seq. ID	OJ990908_13.9B15.C28
Gene No.	74485	Strand	+
Start	1	End	186
Name	OJ990908_13.9B15.C28.o1.np	Method	AAT/NAP
Start	1	End	186
GI	4416301	Score	105
Exons	1..186		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	36146	Seq. ID	OJ990908_13.9B15.C28
Gene No.	74486	Strand	+
Start	196	End	346
Name	OJ990908_13.9B15.C28.o2.np	Method	AAT/NAP
Start	196	End	346
GI	3645899	Score	149
Exons	196..346		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	36146	Seq. ID	OJ990908_13.9B15.C28
Gene No.	74486	Strand	+
Start	196	End	346
Name	OJ990908_13.9B15.C28.o1.gs	Method	GENSCAN
Start	202	End	334
GI	none	Score	.98
Exons	202..334		

Seq. No.	36147	Seq. ID	OJ990908_13.9B15.C29
Gene No.	74487	Strand	-
Start	103	End	478
Name	OJ990908_13.9B15.C29.o1.gp	Method	AAT/GAP
Start	103	End	478
GI	2427387	Score	623
Exons	103..478		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	36148	Seq. ID	OJ990908_13.9B15.C30
Gene No.	74488	Strand	+
Start	52	End	1353
Name	OJ990908_13.9B15.C30.o1.gs	Method	GENSCAN
Start	52	End	1353
GI	none	Score	.53
Exons	52..286, 1089..1353		

Seq. No.	36148	Seq. ID	OJ990908_13.9B15.C30
Gene No.	74489	Strand	-
Start	1581	End	2123
Name	OJ990908_13.9B15.C30.o2.gs	Method	GENSCAN
Start	1581	End	2123
GI	none	Score	.91
Exons	1581..1781, 1995..2123		

Seq. No.	36149	Seq. ID	OJ990908_13.9B15.C31
Gene No.	74490	Strand	+
Start	233	End	593
Name	OJ990908_13.9B15.C31.o1.gs	Method	GENSCAN
Start	233	End	593
GI	none	Score	.76
Exons	233..373, 551..593		

Seq. No.	36150	Seq. ID	OJ990908_13.9B15.C32
Gene No.	74491	Strand	
Start	5	End	390
Name	OJ990908_13.9B15.C32.o1.tm	Method	TBLASTX:Maize
Start	5	End	390
GI	none	Score	87
Exons	5..49, 86..310, 283..390		

Seq. No.	36151	Seq. ID	OJ990908_13.9B15.C34
Gene No.	74492	Strand	+
Start	921	End	2158
Name	OJ990908_13.9B15.C34.o1.gs	Method	GENSCAN
Start	921	End	2158
GI	none	Score	.76
Exons	921..1109, 1562..1651, 1729..1829, 1894..2158		

Seq. No.	36151	Seq. ID	OJ990908_13.9B15.C34
Gene No.	74493	Strand	+
Start	4706	End	6113
Name	OJ990908_13.9B15.C34.o3.gs	Method	GENSCAN
Start	4706	End	6113
GI	none	Score	.53

Exons	4706..4853, 5569..5875, 5885..6113		
Seq. No.	36151	Seq. ID	OJ990908_13.9B15.C34
Gene No.	74494	Strand	-
Start	1	End	8295
Name	OJ990908_13.9B15.C34.o1.gp	Method	AAT/GAP
Start	1	End	245
GI	3761363	Score	411
Exons	1..245		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	36151	Seq. ID	OJ990908_13.9B15.C34
Gene No.	74494	Strand	-
Start	1	End	8295
Name	OJ990908_13.9B15.C34.o1.np	Method	AAT/NAP
Start	1	End	8295
GI	3319351	Score	552
Exons	1..50, 2828..3202, 7682..8295		
GI Descrip.	(AF077407) contains similarity to reverse transcriptases (PFam: rvt.hmm, score: 116.22) [Arabidopsis thaliana]		
Seq. No.	36151	Seq. ID	OJ990908_13.9B15.C34
Gene No.	74494	Strand	-
Start	1	End	8295
Name	OJ990908_13.9B15.C34.o2.gs	Method	GENSCAN
Start	2190	End	3041
GI	none	Score	.94
Exons	2190..2659, 3035..3041		
Seq. No.	36151	Seq. ID	OJ990908_13.9B15.C34
Gene No.	74494	Strand	-
Start	1	End	8295
Name	OJ990908_13.9B15.C34.o1.tw	Method	TBLASTX:Wheat
Start	2823	End	3196
GI	none	Score	82
Exons	2823..2933, 2915..3196, 2918..3142		
Seq. No.	36151	Seq. ID	OJ990908_13.9B15.C34
Gene No.	74494	Strand	-
Start	1	End	8295
Name	OJ990908_13.9B15.C34.o1.tm	Method	TBLASTX:Maize
Start	2829	End	3172
GI	none	Score	243
Exons	2829..2888, 2921..3172		
Seq. No.	36151	Seq. ID	OJ990908_13.9B15.C34
Gene No.	74494	Strand	-
Start	1	End	8295
Name	OJ990908_13.9B15.C34.o1.ts	Method	TBLASTX:Soybean
Start	2915	End	7759
GI	none	Score	77
Exons	2915..3205, 7652..7759		
Seq. No.	36151	Seq. ID	OJ990908_13.9B15.C34
Gene No.	74494	Strand	-
Start	1	End	8295

Name	OJ990908_13.9B15.C34.o2.gp	Method	AAT/GAP
Start	3833	End	4139
GI	61605_3.R1084	Score	441
Exons	3833..4139		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	36151	Seq. ID	OJ990908_13.9B15.C34
Gene No.	74494	Strand	-
Start	1	End	8295
Name	OJ990908_13.9B15.C34.o4.gs	Method	GENSCAN
Start	7643	End	8026
GI	none	Score	.61
Exons	7643..8026		

Seq. No.	36151	Seq. ID	OJ990908_13.9B15.C34
Gene No.	74494	Strand	-
Start	1	End	8295
Name	OJ990908_13.9B15.C34.o2.tm	Method	TBLASTX:Maize
Start	7679	End	8134
GI	none	Score	39
Exons	7679..7759, 7751..7855, 7865..7993, 7881..7991, 7996..8034, 8019..8117, 8025..8099, 8107..8133, 8108..8134		

Seq. No.	36151	Seq. ID	OJ990908_13.9B15.C34
Gene No.	74494	Strand	-
Start	1	End	8295
Name	OJ990908_13.9B15.C34.o2.tw	Method	TBLASTX:Wheat
Start	7745	End	8084
GI	none	Score	56
Exons	7745..7867, 7868..7993, 7996..8016, 8022..8084		

Seq. No.	36152	Seq. ID	OJ990908_13.9B15.C38
Gene No.	74495	Strand	-
Start	1	End	1109
Name	OJ990908_13.9B15.C38.o1.np	Method	AAT/NAP
Start	1	End	1109
GI	3047086	Score	131
Exons	1..359, 1081..1109		
GI Descrip.	(AF058914) similar to reverse transcriptase (Pfam: transcript_fact.hmm, score: 72.31) [Arabidopsis thaliana]		

Seq. No.	36152	Seq. ID	OJ990908_13.9B15.C38
Gene No.	74495	Strand	-
Start	1	End	1109
Name	OJ990908_13.9B15.C38.o1.tm	Method	TBLASTX:Maize
Start	230	End	913
GI	none	Score	57
Exons	230..289, 287..469, 487..549, 546..836, 875..913		

Seq. No.	36153	Seq. ID	OJ990908_13.9B15.C39
Gene No.	74496	Strand	-
Start	53	End	216
Name	OJ990908_13.9B15.C39.o1.gs	Method	GENSCAN
Start	53	End	216
GI	none	Score	.45
Exons	53..216		

Seq. No.	36154	Seq. ID	OJ990908_13.9B15.C40
Gene No.	74497	Strand	+
Start	85	End	898
Name	OJ990908_13.9B15.C40.o1.gs	Method	GENSCAN
Start	85	End	898
GI	none	Score	.72
Exons	85..130, 401..487, 568..695, 860..898		

Seq. No.	36154	Seq. ID	OJ990908_13.9B15.C40
Gene No.	74497	Strand	+
Start	85	End	898
Name	OJ990908_13.9B15.C40.o1.np	Method	AAT/NAP
Start	382	End	695
GI	729535	Score	133
Exons	382..487, 574..695		
GI Descrip.	FERREDOXIN-THIOREDOXIN REDUCTASE, CATALYTIC CHAIN PRECURSOR (FTR-C) (FERREDOXIN-THIOREDOXIN REDUCTASE SUBUNIT B) (FTR-B)		

Seq. No.	36154	Seq. ID	OJ990908_13.9B15.C40
Gene No.	74498	Strand	-
Start	380	End	1302
Name	OJ990908_13.9B15.C40.o1.gp	Method	AAT/GAP
Start	380	End	1302
GI	3820_1.R1084	Score	414
Exons	380..485, 566..702, 1268..1302		
GI Descrip.	'729535/sp\|P41347\|FTRC_MAIZE 7.0e-56 FERREDOXIN-THIOREDOXIN REDUCTASE, CATALYTIC CHAIN PRECURSOR (FTR-C) (FERREDOXIN-THIOREDOXIN REDUCTASE SUBUNIT B) (FTR-B)'		

Seq. No.	36155	Seq. ID	OJ990908_13.9B15.C42
Gene No.	74499	Strand	-
Start	1	End	813
Name	OJ990908_13.9B15.C42.o1.np	Method	AAT/NAP
Start	1	End	813
GI	6742729	Score	1248
Exons	1..813		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	36155	Seq. ID	OJ990908_13.9B15.C42
Gene No.	74499	Strand	-
Start	1	End	813
Name	OJ990908_13.9B15.C42.o1.tw	Method	TBLASTX:Wheat
Start	1	End	447
GI	none	Score	103
Exons	1..123, 3..128, 3..122, 156..398, 196..378, 346..447, 384..446		

Seq. No.	36155	Seq. ID	OJ990908_13.9B15.C42
Gene No.	74499	Strand	-
Start	1	End	813
Name	OJ990908_13.9B15.C42.o1.gs	Method	GENSCAN
Start	60	End	557
GI	none	Score	.49
Exons	60..557		

Seq. No.	36155	Seq. ID	OJ990908_13.9B15.C42
Gene No.	74499	Strand	-

Start	1	End	813
Name	OJ990908_13.9B15.C42.o1.ts	Method	TBLASTX:Soybean
Start	480	End	722
GI	none	Score	205
Exons	480..722		

Seq. No.	36155	Seq. ID	OJ990908_13.9B15.C42
Gene No.	74499	Strand	-
Start	1	End	813
Name	OJ990908_13.9B15.C42.o2.tw	Method	TBLASTX:Wheat
Start	586	End	794
GI	none	Score	119
Exons	586..786, 586..723, 591..794, 591..794		

Seq. No.	36156	Seq. ID	OJ990908_13.9B15.C47
Gene No.	74500	Strand	-
Start	91	End	459
Name	OJ990908_13.9B15.C47.o1.gs	Method	GENSCAN
Start	91	End	459
GI	none	Score	.52
Exons	91..196, 416..459		

Seq. No.	36157	Seq. ID	OJ990908_13.9B15.C49
Gene No.	74501	Strand	+
Start	178	End	368
Name	OJ990908_13.9B15.C49.o1.gs	Method	GENSCAN
Start	178	End	368
GI	none	Score	.67
Exons	178..368		

Seq. No.	36158	Seq. ID	OJ990908_13.9B15.C54
Gene No.	74502	Strand	+
Start	319	End	498
Name	OJ990908_13.9B15.C54.o1.gs	Method	GENSCAN
Start	319	End	498
GI	none	Score	.76
Exons	319..498		

Seq. No.	36159	Seq. ID	OJ990908_13.9B15.C57
Gene No.	74503	Strand	+
Start	218	End	442
Name	OJ990908_13.9B15.C57.o1.np	Method	AAT/NAP
Start	218	End	442
GI	6598595	Score	80
Exons	218..442		
GI Descrip.	(AC006527) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	36160	Seq. ID	OJ990908_13.9B15.C58
Gene No.	74504	Strand	-
Start	1	End	256
Name	OJ990908_13.9B15.C58.o1.gp	Method	AAT/GAP
Start	1	End	256
GI	2169_1.R1084	Score	294
Exons	1..29, 72..256		
GI Descrip.	'2244847/emb\|CAB10269.1\| 6.0e-31 (Z97337) hydroxyproline-rich glycoprotein homolog [Arabidopsis thaliana]'		

Seq. No.	36160	Seq. ID	OJ990908_13.9B15.C58
Gene No.	74504	Strand	-
Start	1	End	256
Name	OJ990908_13.9B15.C58.o1.gs	Method	GENSCAN
Start	72	End	241
GI	none	Score	.72
Exons	72..241		

Seq. No.	36160	Seq. ID	OJ990908_13.9B15.C58
Gene No.	74504	Strand	-
Start	1	End	256
Name	OJ990908_13.9B15.C58.o1.tm	Method	TBLASTX:Maize
Start	72	End	249
GI	none	Score	130
Exons	72..242, 72..242, 73..249, 73..243		

Seq. No.	36161	Seq. ID	OJ990908_13.9B15.C60
Gene No.	74505	Strand	-
Start	28	End	359
Name	OJ990908_13.9B15.C60.o1.gs	Method	GENSCAN
Start	28	End	359
GI	none	Score	.66
Exons	28..359		

Seq. No.	36162	Seq. ID	OJ990908_13.9B15.C62
Gene No.	74506	Strand	-
Start	128	End	450
Name	OJ990908_13.9B15.C62.o1.np	Method	AAT/NAP
Start	128	End	450
GI	4914318	Score	82
Exons	128..450		
GI Descrip.	(AC005489) F14N23.4 [Arabidopsis thaliana]		

Seq. No.	36163	Seq. ID	OJ990908_13.9B15.C63
Gene No.	74507	Strand	+
Start	5918	End	7076
Name	OJ990908_13.9B15.C63.o2.gs	Method	GENSCAN
Start	5918	End	7076
GI	none	Score	.77
Exons	5918..5968, 6142..6633, 6716..7076		

Seq. No.	36163	Seq. ID	OJ990908_13.9B15.C63
Gene No.	74508	Strand	-
Start	163	End	4931
Name	OJ990908_13.9B15.C63.o1.gs	Method	GENSCAN
Start	163	End	4931
GI	none	Score	.57
Exons	163..304, 522..649, 921..1065, 4677..4781, 4817..4931		

Seq. No.	36163	Seq. ID	OJ990908_13.9B15.C63
Gene No.	74508	Strand	-
Start	163	End	4931
Name	OJ990908_13.9B15.C63.o1.np	Method	AAT/NAP
Start	878	End	1152
GI	6691716	Score	73
Exons	878..1152		

GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	36163	Seq. ID	OJ990908_13.9B15.C63
Gene No.	74508	Strand	-
Start	163	End	4931
Name	OJ990908_13.9B15.C63.o1.ts	Method	TBLASTX:Soybean
Start	1739	End	2131
GI	none	Score	92
Exons	1739..2131, 1884..2129		
Seq. No.	36163	Seq. ID	OJ990908_13.9B15.C63
Gene No.	74508	Strand	-
Start	163	End	4931
Name	OJ990908_13.9B15.C63.o3.np	Method	AAT/NAP
Start	2558	End	2821
GI	1084404	Score	82
Exons	2558..2821		
GI Descrip.	hypothetical protein - tomato gi\|667069 (L22186) ORF [Lycopersicon esculentum]		
Seq. No.	36164	Seq. ID	OJ990908_13.9B15.C66
Gene No.	74509	Strand	-
Start	1	End	373
Name	OJ990908_13.9B15.C66.o1.np	Method	AAT/NAP
Start	1	End	373
GI	4680204	Score	294
Exons	1..373		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	36164	Seq. ID	OJ990908_13.9B15.C66
Gene No.	74509	Strand	-
Start	1	End	373
Name	OJ990908_13.9B15.C66.o1.tw	Method	TBLASTX:Wheat
Start	53	End	373
GI	none	Score	38
Exons	53..85, 59..103, 88..225, 229..372, 242..373		
Seq. No.	36165	Seq. ID	OJ990908_13.9B15.C68
Gene No.	74510	Strand	+
Start	1	End	817
Name	OJ990908_13.9B15.C68.o1.np	Method	AAT/NAP
Start	1	End	797
GI	4758556	Score	535
Exons	1..797		
GI Descrip.	U4/U6-associated RNA splicing factor gi\|2708307 (AF016370) U4/U6 small nuclear ribonucleoprotein hPrp3 [Homo sapiens]		
Seq. No.	36165	Seq. ID	OJ990908_13.9B15.C68
Gene No.	74510	Strand	+
Start	1	End	817
Name	OJ990908_13.9B15.C68.o1.ts	Method	TBLASTX:Soybean
Start	9	End	362
GI	none	Score	286
Exons	9..65, 74..250, 123..329, 129..362, 130..360		

Seq. No.	36165	Seq. ID	OJ990908_13.9B15.C68
Gene No.	74510	Strand	+
Start	1	End	817
Name	OJ990908_13.9B15.C68.o1.gs	Method	GENSCAN
Start	69	End	794
GI	none	Score	.41
Exons	69..794		

Seq. No.	36165	Seq. ID	OJ990908_13.9B15.C68
Gene No.	74510	Strand	+
Start	1	End	817
Name	OJ990908_13.9B15.C68.o1.tm	Method	TBLASTX:Maize
Start	370	End	817
GI	none	Score	293
Exons	370..462, 371..568, 372..569, 620..817, 620..814	372..587, 612..815, 612..812,	

Seq. No.	36165	Seq. ID	OJ990908_13.9B15.C68
Gene No.	74510	Strand	+
Start	1	End	817
Name	OJ990908_13.9B15.C68.o2.ts	Method	TBLASTX:Soybean
Start	636	End	791
GI	none	Score	48
Exons	636..677, 652..762, 663..791,	668..784	

Seq. No.	36166	Seq. ID	OJ990908_13.9B15.C71
Gene No.	74511	Strand	-
Start	222	End	1015
Name	OJ990908_13.9B15.C71.o1.gs	Method	GENSCAN
Start	222	End	1015
GI	none	Score	.57
Exons	222..472, 645..751, 988..1015		

Seq. No.	36167	Seq. ID	OJ990908_13.9B15.C73
Gene No.	74512	Strand	-
Start	32	End	163
Name	OJ990908_13.9B15.C73.o1.gs	Method	GENSCAN
Start	32	End	163
GI	none	Score	.45
Exons	32..163		

Seq. No.	36168	Seq. ID	OJ990908_13.9B15.C74
Gene No.	74513	Strand	+
Start	456	End	859
Name	OJ990908_13.9B15.C74.o1.gs	Method	GENSCAN
Start	456	End	859
GI	none	Score	.63
Exons	456..634, 773..859		

Seq. No.	36169	Seq. ID	OJ990908_13.9B15.C75
Gene No.	74514	Strand	+
Start	7631	End	8700
Name	OJ990908_13.9B15.C75.o2.tc	Method	TBLASTX:Cress
Start	3508	End	4098
GI	none	Score	100
Exons	3508..3555, 3666..3911, 3667..3831, 3675..3833, 3907..4098, 3918..4016		

Seq. No.	36169	Seq. ID	OJ990908_13.9B15.C75
Gene No.	74514	Strand	+
Start	7631	End	8700
Name	OJ990908_13.9B15.C75.o2.ts	Method	TBLASTX:Soybean
Start	3508	End	4005
GI	none	Score	106
Exons	3508..3555, 3666..3812, 3667..3813, 3924..4004, 3928..4005		

Seq. No.	36169	Seq. ID	OJ990908_13.9B15.C75
Gene No.	74514	Strand	+
Start	7631	End	8700
Name	OJ990908_13.9B15.C75.o2.tm	Method	TBLASTX:Maize
Start	3738	End	4041
GI	none	Score	87
Exons	3738..4019, 3740..3811, 3889..4041		

Seq. No.	36169	Seq. ID	OJ990908_13.9B15.C75
Gene No.	74514	Strand	+
Start	7631	End	8700
Name	OJ990908_13.9B15.C75.o1.np	Method	AAT/NAP
Start	7631	End	8697
GI	6063550	Score	1129
Exons	7631..8174, 8276..8697		
GI Descrip.	(AP000615) hypothetical protein [Oryza sativa]		

Seq. No.	36169	Seq. ID	OJ990908_13.9B15.C75
Gene No.	74514	Strand	+
Start	7631	End	8700
Name	OJ990908_13.9B15.C75.o1.ts	Method	TBLASTX:Soybean
Start	7970	End	8650
GI	none	Score	97
Exons	7970..8185, 8043..8186, 8069..8191, 8311..8349, 8315..8350, 8317..8520, 8352..8519, 8515..8649, 8537..8650		

Seq. No.	36169	Seq. ID	OJ990908_13.9B15.C75
Gene No.	74514	Strand	+
Start	7631	End	8700
Name	OJ990908_13.9B15.C75.o1.tm	Method	TBLASTX:Maize
Start	7973	End	8695
GI	none	Score	132
Exons	7973..8185, 8040..8186, 8308..8520, 8311..8349, 8352..8516, 8506..8640, 8515..8661, 8537..8662, 8656..8691, 8657..8695		

Seq. No.	36169	Seq. ID	OJ990908_13.9B15.C75
Gene No.	74514	Strand	+
Start	7631	End	8700
Name	OJ990908_13.9B15.C75.o1.tw	Method	TBLASTX:Wheat
Start	7976	End	8457
GI	none	Score	133
Exons	7976..8185, 8040..8186, 8308..8457, 8311..8349, 8352..8456		

Seq. No.	36169	Seq. ID	OJ990908_13.9B15.C75
Gene No.	74514	Strand	+
Start	7631	End	8700
Name	OJ990908_13.9B15.C75.o1.tc	Method	TBLASTX:Cress
Start	8045	End	8510

GI	none	Score	107
Exons	8045..8185, 8046..8186, 8311..8349, 8317..8460, 8352..8510		

Seq. No.	36169	Seq. ID	OJ990908_13.9B15.C75
Gene No.	74514	Strand	+
Start	7631	End	8700
Name	OJ990908_13.9B15.C75.o2.tw	Method	TBLASTX:Wheat
Start	8469	End	8700
GI	none	Score	52
Exons	8469..8516, 8476..8520, 8515..8661, 8537..8659, 8656..8700, 8657..8695		

Seq. No.	36169	Seq. ID	OJ990908_13.9B15.C75
Gene No.	74514	Strand	+
Start	7631	End	8700
Name	OJ990908_13.9B15.C75.o3.tc	Method	TBLASTX:Cress
Start	8515	End	8700
GI	none	Score	92
Exons	8515..8661, 8516..8659, 8659..8700		

Seq. No.	36170	Seq. ID	OJ990908_13.9B15.C76
Gene No.	74515	Strand	+
Start	1	End	244
Name	OJ990908_13.9B15.C76.o1.np	Method	AAT/NAP
Start	1	End	244
GI	1272347	Score	106
Exons	1..244		
GI Descrip.	(U51739) secreted glycoprotein 2 [Ipomoea trifida]		

Seq. No.	36170	Seq. ID	OJ990908_13.9B15.C76
Gene No.	74516	Strand	+
Start	407	End	2397
Name	OJ990908_13.9B15.C76.o1.gs	Method	GENSCAN
Start	407	End	2397
GI	none	Score	.65
Exons	407..517, 714..825, 1123..1153, 1658..1794, 2375..2397		

Seq. No.	36170	Seq. ID	OJ990908_13.9B15.C76
Gene No.	74517	Strand	
Start	2575	End	3072
Name	OJ990908_13.9B15.C76.o2.tm	Method	TBLASTX:Maize
Start	2575	End	2868
GI	none	Score	57
Exons	2575..2676, 2671..2868, 2672..2734, 2680..2835, 2756..2866		

Seq. No.	36170	Seq. ID	OJ990908_13.9B15.C76
Gene No.	74517	Strand	
Start	2575	End	3072
Name	OJ990908_13.9B15.C76.o1.tw	Method	TBLASTX:Wheat
Start	2745	End	3072
GI	none	Score	167
Exons	2745..2774, 2854..3072		

Seq. No.	36170	Seq. ID	OJ990908_13.9B15.C76
Gene No.	74518	Strand	
Start	3147	End	3473
Name	OJ990908_13.9B15.C76.o1.tm	Method	TBLASTX:Maize

Start	3147	End	3473
GI	none	Score	96
Exons	3147..3473, 3286..3471, 3333..3473		

Seq. No.	36171	Seq. ID	OJ990908_13.9B15.C77
Gene No.	74519	Strand	-
Start	451	End	689
Name	OJ990908_13.9B15.C77.o1.gs	Method	GENSCAN
Start	451	End	689
GI	none	Score	.96
Exons	451..498, 587..689		

Seq. No.	36172	Seq. ID	OJ990908_13.9B15.C78
Gene No.	74520	Strand	-
Start	349	End	10577
Name	OJ990908_13.9B15.C78.o1.gp	Method	AAT/GAP
Start	211	End	947
GI	5002953	Score	350
Exons	211..392, 872..947		
GI Descrip.	4680203/gb\|AAD27566.1\|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	36172	Seq. ID	OJ990908_13.9B15.C78
Gene No.	74520	Strand	-
Start	349	End	10577
Name	OJ990908_13.9B15.C78.o1.np	Method	AAT/NAP
Start	325	End	4401
GI	4680203	Score	256
Exons	325..910, 4365..4401		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	36172	Seq. ID	OJ990908_13.9B15.C78
Gene No.	74520	Strand	-
Start	349	End	10577
Name	OJ990908_13.9B15.C78.o1.gs	Method	GENSCAN
Start	349	End	10577
GI	none	Score	.74
Exons	349..885, 2447..2549, 2847..2914, 3137..3189, 3480..3680, 5422..5549, 8281..8479, 8781..8835, 10320..10482, 10564..10577		

Seq. No.	36172	Seq. ID	OJ990908_13.9B15.C78
Gene No.	74520	Strand	-
Start	349	End	10577
Name	OJ990908_13.9B15.C78.o1.tw	Method	TBLASTX:Wheat
Start	436	End	937
GI	none	Score	67
Exons	436..528, 529..633, 557..634, 658..699, 658..696, 703..750, 739..894, 755..937		

Seq. No.	36173	Seq. ID	OJ990908_13.9B15.C79
Gene No.	74521	Strand	+
Start	367	End	1698
Name	OJ990908_13.9B15.C79.o1.gs	Method	GENSCAN
Start	367	End	1222
GI	none	Score	.87
Exons	367..442, 465..1222		

Seq. No.	36173	Seq. ID	OJ990908_13.9B15.C79
Gene No.	74521	Strand	+
Start	367	End	1698
Name	OJ990908_13.9B15.C79.o1.np	Method	AAT/NAP
Start	367	End	1698
GI	3549626	Score	71
Exons	367..575, 1669..1698		
GI Descrip.	(AJ009696) wall-associated kinase 1 [Arabidopsis thaliana]		

Seq. No.	36174	Seq. ID	OJ990908_13.9B15.C80
Gene No.	74522	Strand	+
Start	881	End	8753
Name	OJ990908_13.9B15.C80.o1.gs	Method	GENSCAN
Start	881	End	3256
GI	none	Score	.84
Exons	881..903, 2851..3095, 3147..3256		

Seq. No.	36174	Seq. ID	OJ990908_13.9B15.C80
Gene No.	74522	Strand	+
Start	881	End	8753
Name	OJ990908_13.9B15.C80.o1.np	Method	AAT/NAP
Start	2521	End	8753
GI	4966347	Score	455
Exons	2521..2583, 2987..3095, 7181..7279, 7691..8753		
GI Descrip.	(AC006341) Similar to gb\|AJ012423 wall-associated kinase 2 from Arabidopsis thaliana.		

Seq. No.	36174	Seq. ID	OJ990908_13.9B15.C80
Gene No.	74522	Strand	+
Start	881	End	8753
Name	OJ990908_13.9B15.C80.o1.tc	Method	TBLASTX:Cress
Start	3029	End	8477
GI	none	Score	85
Exons	3029..3094, 7153..7206, 7210..7293, 7882..8037, 7887..7928, 8036..8122, 8037..8135, 8175..8363, 8263..8313, 8351..8476, 8352..8477		

Seq. No.	36174	Seq. ID	OJ990908_13.9B15.C80
Gene No.	74522	Strand	+
Start	881	End	8753
Name	OJ990908_13.9B15.C80.o2.tm	Method	TBLASTX:Maize
Start	3360	End	3649
GI	none	Score	36
Exons	3360..3488, 3490..3645, 3491..3511, 3542..3649		

Seq. No.	36174	Seq. ID	OJ990908_13.9B15.C80
Gene No.	74522	Strand	+
Start	881	End	8753
Name	OJ990908_13.9B15.C80.o2.gs	Method	GENSCAN
Start	4676	End	8750
GI	none	Score	.91
Exons	4676..4739, 6242..6313, 7181..7348, 7712..7975, 8173..8750		

Seq. No.	36174	Seq. ID	OJ990908_13.9B15.C80
Gene No.	74522	Strand	+
Start	881	End	8753
Name	OJ990908_13.9B15.C80.o1.tm	Method	TBLASTX:Maize

Start	7792	End	8474
GI	none	Score	38
Exons	7792..7821, 7882..8037, 7887..8036, 8036..8116, 8037..8132, 8178..8363, 8342..8473, 8352..8474		

Seq. No.	36174	Seq. ID	OJ990908_13.9B15.C80
Gene No.	74522	Strand	+
Start	881	End	8753
Name	OJ990908_13.9B15.C80.o1.ts	Method	TBLASTX:Soybean
Start	7887	End	8474
GI	none	Score	69
Exons	7887..7928, 7975..8106, 8036..8134, 8037..8138, 8043..8147, 8145..8363, 8168..8323, 8178..8336, 8349..8474, 8381..8470		

Seq. No.	36174	Seq. ID	OJ990908_13.9B15.C80
Gene No.	74522	Strand	+
Start	881	End	8753
Name	OJ990908_13.9B15.C80.o1.tw	Method	TBLASTX:Wheat
Start	8082	End	8495
GI	none	Score	55
Exons	8082..8138, 8175..8327, 8349..8495, 8351..8491		

Seq. No.	36175	Seq. ID	OJ990908_13.9B15.C81
Gene No.	74523	Strand	+
Start	454	End	8903
Name	OJ990908_13.9B15.C81.o1.gs	Method	GENSCAN
Start	454	End	7655
GI	none	Score	.63
Exons	454..547, 2019..2098, 2342..2431, 4905..5080, 5661..5761, 5879..6007, 6526..7231, 7275..7381, 7489..7655		

Seq. No.	36175	Seq. ID	OJ990908_13.9B15.C81
Gene No.	74523	Strand	+
Start	454	End	8903
Name	OJ990908_13.9B15.C81.o2.gp	Method	AAT/GAP
Start	6424	End	6935
GI	uC-osflM202052c07b1	Score	999
Exons	6424..6935		
GI Descrip.	'4234848 1.0e-12 (AF082131) gag-pol polyprotein [Zea mays]'		

Seq. No.	36175	Seq. ID	OJ990908_13.9B15.C81
Gene No.	74523	Strand	+
Start	454	End	8903
Name	OJ990908_13.9B15.C81.o2.np	Method	AAT/NAP
Start	6534	End	8903
GI	4234852	Score	923
Exons	6534..6710, 6744..8903		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	36175	Seq. ID	OJ990908_13.9B15.C81
Gene No.	74523	Strand	+
Start	454	End	8903
Name	OJ990908_13.9B15.C81.o3.gp	Method	AAT/GAP
Start	7167	End	7726
GI	uC-osflcyp006a10b1	Score	770
Exons	7167..7382, 7489..7726		
GI Descrip.	'4234846 7.0e-13 (AF082130) gag-pol polyprotein [Zea mays]'		

Seq. No.	36175	Seq. ID	OJ990908_13.9B15.C81
Gene No.	74524	Strand	-
Start	1366	End	3334
Name	OJ990908_13.9B15.C81.o1.np	Method	AAT/NAP
Start	1366	End	3334
GI	6721516	Score	567
Exons	1366..1524, 2292..2647, 3056..3334		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	36175	Seq. ID	OJ990908_13.9B15.C81
Gene No.	74525	Strand	-
Start	7986	End	8312
Name	OJ990908_13.9B15.C81.o1.tm	Method	TBLASTX:Maize
Start	6627	End	7566
GI	none	Score	479
Exons	6627..7205, 6749..7195, 6883..7236, 6951..7229, 7288..7380, 7486..7566		

Seq. No.	36175	Seq. ID	OJ990908_13.9B15.C81
Gene No.	74525	Strand	-
Start	7986	End	8312
Name	OJ990908_13.9B15.C81.o2.gs	Method	GENSCAN
Start	7986	End	8312
GI	none	Score	.53
Exons	7986..8013, 8253..8312		

Seq. No.	36175	Seq. ID	OJ990908_13.9B15.C81
Gene No.	74526	Strand	
Start	8496	End	8902
Name	OJ990908_13.9B15.C81.o1.ts	Method	TBLASTX:Soybean
Start	8496	End	8902
GI	5509260	Score	166
Exons	8496..8696, 8693..8902		
GI Descrip.	-		

Seq. No.	36175	Seq. ID	OJ990908_13.9B15.C81
Gene No.	74526	Strand	
Start	8496	End	8902
Name	OJ990908_13.9B15.C81.o2.tm	Method	TBLASTX:Maize
Start	8496	End	8794
GI	none	Score	176
Exons	8496..8696, 8693..8794		

Seq. No.	36175	Seq. ID	OJ990908_13.9B15.C81
Gene No.	74526	Strand	
Start	8496	End	8902
Name	OJ990908_13.9B15.C81.o1.tw	Method	TBLASTX:Wheat
Start	8615	End	8899
GI	none	Score	86
Exons	8615..8695, 8616..8696, 8616..8696, 8693..8899, 8735..8896		

Seq. No.	36176	Seq. ID	OJ990908_13.9B15.C82
Gene No.	74527	Strand	+
Start	180	End	375
Name	OJ990908_13.9B15.C82.o1.gs	Method	GENSCAN
Start	180	End	375

GI	none	Score	.82
Exons	180..197, 256..375		
Seq. No.	36176	Seq. ID	OJ990908_13.9B15.C82
Gene No.	74528	Strand	-
Start	599	End	812
Name	OJ990908_13.9B15.C82.o1.tw	Method	TBLASTX:Wheat
Start	163	End	564
GI	none	Score	168
Exons	163..279, 325..564		
Seq. No.	36176	Seq. ID	OJ990908_13.9B15.C82
Gene No.	74528	Strand	-
Start	599	End	812
Name	OJ990908_13.9B15.C82.o1.gp	Method	AAT/GAP
Start	599	End	812
GI	none	Score	385
Exons	599..812		
Seq. No.	36177	Seq. ID	OJ990908_13.9B15.C83
Gene No.	74529	Strand	+
Start	1	End	1687
Name	OJ990908_13.9B15.C83.o1.np	Method	AAT/NAP
Start	1	End	1687
GI	5001454	Score	139
Exons	1..286, 1660..1687		
GI Descrip.	(AC007730) putative non-LTR retrolelement reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	36177	Seq. ID	OJ990908_13.9B15.C83
Gene No.	74529	Strand	+
Start	1	End	1687
Name	OJ990908_13.9B15.C83.o1.tm	Method	TBLASTX:Maize
Start	13	End	339
GI	none	Score	177
Exons	13..273, 14..262, 310..339		
Seq. No.	36177	Seq. ID	OJ990908_13.9B15.C83
Gene No.	74529	Strand	+
Start	1	End	1687
Name	OJ990908_13.9B15.C83.o1.gs	Method	GENSCAN
Start	23	End	1351
GI	none	Score	.48
Exons	23..42, 112..235, 1198..1351		
Seq. No.	36178	Seq. ID	OJ990908_13.9B15.C84
Gene No.	74530	Strand	-
Start	1	End	5649
Name	OJ990908_13.9B15.C84.o1.np	Method	AAT/NAP
Start	1	End	4111
GI	2244839	Score	1188
Exons	1..28, 1176..2551, 3303..3645, 3913..4111		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	36178	Seq. ID	OJ990908_13.9B15.C84
Gene No.	74530	Strand	-
Start	1	End	5649

Name	OJ990908_13.9B15.C84.o1.gs	Method	GENSCAN
Start	1275	End	5635
GI	none	Score	.77
Exons	1275..1726, 1983..2551, 3303..3781, 4644..4800, 5384..5635		

Seq. No.	36178	Seq. ID	OJ990908_13.9B15.C84
Gene No.	74530	Strand	-
Start	1	End	5649
Name	OJ990908_13.9B15.C84.o2.tc	Method	TBLASTX:Cress
Start	1302	End	1569
GI	none	Score	98
Exons	1302..1568, 1330..1569		

Seq. No.	36178	Seq. ID	OJ990908_13.9B15.C84
Gene No.	74530	Strand	-
Start	1	End	5649
Name	OJ990908_13.9B15.C84.o1.tm	Method	TBLASTX:Maize
Start	1311	End	3535
GI	none	Score	156
Exons	1311..1922, 1345..1872, 1912..2181, 1921..2091, 1924..2106, 2020..2094, 2035..2274, 2041..2223, 2071..2277, 2080..2256, 2188..2355, 2197..2355, 2197..2355, 2386..2523, 2404..2496, 3308..3535, 3327..3467		

Seq. No.	36178	Seq. ID	OJ990908_13.9B15.C84
Gene No.	74530	Strand	-
Start	1	End	5649
Name	OJ990908_13.9B15.C84.o1.ts	Method	TBLASTX:Soybean
Start	1437	End	2526
GI	none	Score	107
Exons	1437..1535, 1536..1823, 1551..1814, 1627..1824, 2035..2130, 2416..2526		

Seq. No.	36178	Seq. ID	OJ990908_13.9B15.C84
Gene No.	74530	Strand	-
Start	1	End	5649
Name	OJ990908_13.9B15.C84.o1.tw	Method	TBLASTX:Wheat
Start	1512	End	3535
GI	none	Score	127
Exons	1512..1598, 1651..1896, 1653..1916, 1713..1832, 1912..2127, 2008..2112, 2017..2277, 2197..2523, 2437..2526, 3308..3535, 3339..3416		

Seq. No.	36178	Seq. ID	OJ990908_13.9B15.C84
Gene No.	74530	Strand	-
Start	1	End	5649
Name	OJ990908_13.9B15.C84.o2.np	Method	AAT/NAP
Start	1519	End	3544
GI	1402883	Score	522
Exons	1519..2714, 3443..3544		
GI Descrip.	(X98130) unknown [Arabidopsis thaliana] gi\|1495263\|emb\|CAA66119\| (X97487) orf09 [Arabidopsis thaliana]		

Seq. No.	36178	Seq. ID	OJ990908_13.9B15.C84
Gene No.	74530	Strand	-
Start	1	End	5649
Name	OJ990908_13.9B15.C84.o1.tc	Method	TBLASTX:Cress

Start	1572	End	3535
GI	none	Score	47
Exons	1572..1673, 1677..1808, 1713..1907, 1791..1916, 1918..2082, 1924..2478, 1925..1966, 2008..2379, 2035..2103, 2101..2271, 2113..2235, 2197..2553, 3308..3535, 3308..3517		

Seq. No.	36178	Seq. ID	OJ990908_13.9B15.C84
Gene No.	74530	Strand	-
Start	1	End	5649
Name	OJ990908_13.9B15.C84.o3.np	Method	AAT/NAP
Start	3499	End	5649
GI	3894194	Score	87
Exons	3499..3567, 5401..5649		
GI Descrip.	(AC005662) putative strictosidine synthase [Arabidopsis thaliana]		

Seq. No.	36179	Seq. ID	OJ990908_13.9B15.C85
Gene No.	74531	Strand	+
Start	1188	End	2846
Name	OJ990908_13.9B15.C85.o1.np	Method	AAT/NAP
Start	1188	End	2646
GI	5852180	Score	311
Exons	1188..1259, 2273..2646		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	36179	Seq. ID	OJ990908_13.9B15.C85
Gene No.	74531	Strand	+
Start	1188	End	2846
Name	OJ990908_13.9B15.C85.o1.gs	Method	GENSCAN
Start	2306	End	2846
GI	none	Score	.9
Exons	2306..2391, 2432..2846		

Seq. No.	36180	Seq. ID	OJ990908_13.9B15.C86
Gene No.	74532	Strand	+
Start	207	End	2071
Name	OJ990908_13.9B15.C86.o1.gs	Method	GENSCAN
Start	207	End	2071
GI	none	Score	.86
Exons	207..695, 788..903, 1036..1078, 1964..2071		

Seq. No.	36180	Seq. ID	OJ990908_13.9B15.C86
Gene No.	74533	Strand	+
Start	2591	End	2701
Name	OJ990908_13.9B15.C86.o1.gp	Method	AAT/GAP
Start	2591	End	2701
GI	uC-osflcyp088b12b1	Score	141
Exons	2591..2701		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	36180	Seq. ID	OJ990908_13.9B15.C86
Gene No.	74534	Strand	-
Start	1	End	8118
Name	OJ990908_13.9B15.C86.o1.np	Method	AAT/NAP
Start	1	End	8118
GI	5295955	Score	267

Exons	1..288, 654..718, 768..1184, 1909..2032, 8002..8118		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	36180	Seq. ID	OJ990908_13.9B15.C86
Gene No.	74534	Strand	-
Start	1	End	8118
Name	OJ990908_13.9B15.C86.o2.gs	Method	GENSCAN
Start	2408	End	6536
GI	none	Score	.63
Exons	2408..2586, 2746..2791, 3281..3515, 4721..4823, 5947..6090, 6222..6407, 6416..6536		
Seq. No.	36181	Seq. ID	OJ990908_13.9B15.C87
Gene No.	74535	Strand	-
Start	1	End	566
Name	OJ990908_13.9B15.C87.o1.np	Method	AAT/NAP
Start	1	End	566
GI	6069646	Score	372
Exons	1..566		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	36181	Seq. ID	OJ990908_13.9B15.C87
Gene No.	74535	Strand	-
Start	1	End	566
Name	OJ990908_13.9B15.C87.o1.gs	Method	GENSCAN
Start	82	End	349
GI	none	Score	.62
Exons	82..349		
Seq. No.	36181	Seq. ID	OJ990908_13.9B15.C87
Gene No.	74535	Strand	-
Start	1	End	566
Name	OJ990908_13.9B15.C87.o1.tm	Method	TBLASTX:Maize
Start	108	End	525
GI	none	Score	104
Exons	108..314, 319..525, 326..505		
Seq. No.	36182	Seq. ID	OJ990818_15.9B12.C1
Gene No.	74536	Strand	+
Start	13849	End	14124
Name	OJ990818_15.9B12.C1.o2.gp	Method	AAT/GAP
Start	13849	End	14124
GI	4392_1.R1084	Score	530
Exons	13849..14124		
GI Descrip.	'585350/sp\|Q08466\|KC22_ARATH 5.0e-50 CASEIN KINASE II, ALPHA CHAIN 2 (CK II) >gi_419753_pir__S31099 casein kinase II (EC 2.7.1.-) alpha-type chain (clone ATCKA2) - Arabidopsis thaliana >gi_391605_dbj_BAA01091_ (D10247) casein kinase II catalytic subunit [Arabidopsis thaliana]'		
Seq. No.	36182	Seq. ID	OJ990818_15.9B12.C1
Gene No.	74537	Strand	-

Start	1082	End	3942
Name	OJ990818_15.9B12.C1.o1.gs	Method	GENSCAN
Start	1082	End	3942
GI	none	Score	.66
Exons	1082..1384, 2619..2860, 3193..3238, 3907..3942		

Seq. No.	36182	Seq. ID	OJ990818_15.9B12.C1
Gene No.	74538	Strand	-
Start	7305	End	13813
Name	OJ990818_15.9B12.C1.o1.tc	Method	TBLASTX:Cress
Start	5324	End	7330
GI	none	Score	72
Exons	5324..5413, 5432..5458, 5552..5656, 5669..5941, 5863..5937, 6029..6169, 6034..6156, 6245..6319, 6262..6321, 6464..6682, 6497..6616, 7214..7330, 7216..7308		

Seq. No.	36182	Seq. ID	OJ990818_15.9B12.C1
Gene No.	74538	Strand	-
Start	7305	End	13813
Name	OJ990818_15.9B12.C1.o4.np	Method	AAT/NAP
Start	7305	End	10476
GI	6693035	Score	228
Exons	7305..7402, 9437..9658, 10145..10206, 10249..10301, 10400..10476		
GI Descrip.	(AC012375) T22C5.15 [Arabidopsis thaliana]		

Seq. No.	36182	Seq. ID	OJ990818_15.9B12.C1
Gene No.	74538	Strand	-
Start	7305	End	13813
Name	OJ990818_15.9B12.C1.o3.gs	Method	GENSCAN
Start	8653	End	13813
GI	none	Score	.69
Exons	8653..8907, 9011..9658, 10145..10301, 10400..10612, 11384..11521, 12945..13242, 13807..13813		

Seq. No.	36182	Seq. ID	OJ990818_15.9B12.C1
Gene No.	74538	Strand	-
Start	7305	End	13813
Name	OJ990818_15.9B12.C1.o1.tm	Method	TBLASTX:Maize
Start	8726	End	9620
GI	none	Score	188
Exons	8726..8908, 8727..8897, 8731..8922, 8972..9373, 9030..9320, 9208..9321, 9311..9619, 9321..9620		

Seq. No.	36182	Seq. ID	OJ990818_15.9B12.C1
Gene No.	74538	Strand	-
Start	7305	End	13813
Name	OJ990818_15.9B12.C1.o1.ts	Method	TBLASTX:Soybean
Start	9079	End	9469
GI	none	Score	212
Exons	9079..9321, 9080..9373, 9084..9320, 9311..9469, 9321..9455, 9323..9469		

Seq. No.	36182	Seq. ID	OJ990818_15.9B12.C1
Gene No.	74538	Strand	-
Start	7305	End	13813
Name	OJ990818_15.9B12.C1.o1.gp	Method	AAT/GAP
Start	11169	End	13229

GI	22567_1.R1084	Score	1283
Exons	11169..11560, 12257..12363, 12945..13082, 13160..13229		
GI Descrip.	'5689994/emb\|CAB52039.1\| 6.0e-11 (AL109731) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	36182	Seq. ID	OJ990818_15.9B12.C1
Gene No.	74538	Strand	-
Start	7305	End	13813
Name	OJ990818_15.9B12.C1.o2.tc	Method	TBLASTX:Cress
Start	11235	End	13025
GI	none	Score	156
Exons	11235..11297, 11388..11558, 11398..11559, 12250..12366, 12258..12365, 12944..13024, 12969..13025		

Seq. No.	36182	Seq. ID	OJ990818_15.9B12.C1
Gene No.	74538	Strand	-
Start	7305	End	13813
Name	OJ990818_15.9B12.C1.o2.tm	Method	TBLASTX:Maize
Start	11385	End	13027
GI	none	Score	181
Exons	11385..11561, 11388..11558, 11389..11559, 12238..12366, 12256..12327, 12258..12374, 12258..12365, 12944..13024, 12969..13025, 12977..13027		

Seq. No.	36182	Seq. ID	OJ990818_15.9B12.C1
Gene No.	74538	Strand	-
Start	7305	End	13813
Name	OJ990818_15.9B12.C1.o2.ts	Method	TBLASTX:Soybean
Start	11394	End	13024
GI	none	Score	172
Exons	11394..11561, 11398..11547, 11405..11569, 11409..11558, 12238..12366, 12258..12365, 12944..13024		

Seq. No.	36183	Seq. ID	OJ990818_15.9B12.C2
Gene No.	74539	Strand	-
Start	1	End	2996
Name	OJ990818_15.9B12.C2.o1.gp	Method	AAT/GAP
Start	1	End	478
GI	4392_1.R1084	Score	369
Exons	1..94, 199..281, 417..478		
GI Descrip.	'585350/sp\|Q08466\|KC22_ARATH 5.0e-50 CASEIN KINASE II, ALPHA CHAIN 2 (CK II) >gi_419753_pir__S31099 casein kinase II (EC 2.7.1.-) alpha-type chain (clone ATCKA2) - Arabidopsis thaliana >gi_391605_dbj_BAA01091_ (D10247) casein kinase II catalytic subunit [Arabidopsis thaliana]'		

Seq. No.	36183	Seq. ID	OJ990818_15.9B12.C2
Gene No.	74539	Strand	-
Start	1	End	2996
Name	OJ990818_15.9B12.C2.o1.np	Method	AAT/NAP
Start	1	End	2996
GI	3821793	Score	1062
Exons	1..94, 199..281, 417..482, 605..695, 1129..1285, 2112..2306, 2779..2996		
GI Descrip.	(Y11526) casein kinase II alpha subunit [Zea mays]		

Seq. No.	36183	Seq. ID	OJ990818_15.9B12.C2

Gene No.	74539	Strand	-
Start	1	End	2996
Name	OJ990818_15.9B12.C2.o1.tc	Method	TBLASTX:Cress
Start	25	End	2295
GI	none	Score	54
Exons	25..96, 32..97, 195..284, 199..282, 414..440, 445..480, 447..497, 597..701, 600..674, 602..715, 1119..1262, 1128..1262, 1129..1263, 1262..1288, 2101..2295, 2112..2294		

Seq. No.	36183	Seq. ID	OJ990818_15.9B12.C2
Gene No.	74539	Strand	-
Start	1	End	2996
Name	OJ990818_15.9B12.C2.o1.tm	Method	TBLASTX:Maize
Start	25	End	2913
GI	none	Score	86
Exons	25..96, 26..97, 195..284, 199..282, 414..497, 415..495, 602..715, 606..701, 1100..1258, 1119..1262, 1128..1262, 1129..1263, 1129..1263, 1262..1288, 2104..2307, 2110..2307, 2112..2309, 2780..2908, 2815..2913		

Seq. No.	36183	Seq. ID	OJ990818_15.9B12.C2
Gene No.	74539	Strand	-
Start	1	End	2996
Name	OJ990818_15.9B12.C2.o2.ts	Method	TBLASTX:Soybean
Start	25	End	1288
GI	none	Score	84
Exons	25..96, 26..97, 195..284, 199..282, 376..408, 414..494, 414..497, 415..495, 416..505, 597..701, 600..698, 602..715, 1119..1256, 1128..1262, 1129..1263, 1141..1263, 1262..1288		

Seq. No.	36183	Seq. ID	OJ990818_15.9B12.C2
Gene No.	74539	Strand	-
Start	1	End	2996
Name	OJ990818_15.9B12.C2.o1.gs	Method	GENSCAN
Start	372	End	2908
GI	none	Score	.54
Exons	372..482, 605..695, 1153..1379, 2112..2306, 2779..2908		

Seq. No.	36183	Seq. ID	OJ990818_15.9B12.C2
Gene No.	74539	Strand	-
Start	1	End	2996
Name	OJ990818_15.9B12.C2.o1.tw	Method	TBLASTX:Wheat
Start	632	End	2309
GI	none	Score	84
Exons	632..715, 633..701, 1100..1258, 1119..1262, 1128..1262, 1129..1263, 1129..1263, 1262..1288, 2104..2307, 2110..2307, 2112..2309		

Seq. No.	36183	Seq. ID	OJ990818_15.9B12.C2
Gene No.	74539	Strand	-
Start	1	End	2996
Name	OJ990818_15.9B12.C2.o1.ts	Method	TBLASTX:Soybean
Start	2105	End	2921
GI	none	Score	153
Exons	2105..2278, 2106..2309, 2111..2293, 2113..2307, 2780..2902, 2815..2913, 2883..2921		

Seq. No.	36184	Seq. ID	OJ990818_15.9B12.C3
Gene No.	74540	Strand	+
Start	839	End	981
Name	OJ990818_15.9B12.C3.o1.gs	Method	GENSCAN
Start	839	End	981
GI	none	Score	.7
Exons	839..981		

Seq. No.	36184	Seq. ID	OJ990818_15.9B12.C3
Gene No.	74541	Strand	-
Start	904	End	2823
Name	OJ990818_15.9B12.C3.o1.np	Method	AAT/NAP
Start	904	End	2823
GI	6498436	Score	93
Exons	904..1004, 1611..1934, 2803..2823		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	36184	Seq. ID	OJ990818_15.9B12.C3
Gene No.	74541	Strand	-
Start	904	End	2823
Name	OJ990818_15.9B12.C3.o2.gs	Method	GENSCAN
Start	1667	End	1960
GI	none	Score	.8
Exons	1667..1960		

Seq. No.	36185	Seq. ID	OJ990818_15.9B12.C4
Gene No.	74542	Strand	+
Start	92	End	958
Name	OJ990818_15.9B12.C4.o1.gs	Method	GENSCAN
Start	92	End	958
GI	none	Score	.86
Exons	92..158, 771..958		

Seq. No.	36185	Seq. ID	OJ990818_15.9B12.C4
Gene No.	74543	Strand	+
Start	2341	End	4195
Name	OJ990818_15.9B12.C4.o1.gp	Method	AAT/GAP
Start	2239	End	2526
GI	2310208	Score	487
Exons	2239..2526		

Seq. No.	36185	Seq. ID	OJ990818_15.9B12.C4
Gene No.	74543	Strand	+
Start	2341	End	4195
Name	OJ990818_15.9B12.C4.o2.gs	Method	GENSCAN
Start	2341	End	3804
GI	none	Score	.99
Exons	2341..2626, 2727..3118, 3304..3804		

Seq. No.	36185	Seq. ID	OJ990818_15.9B12.C4
Gene No.	74543	Strand	+
Start	2341	End	4195
Name	OJ990818_15.9B12.C4.o1.np	Method	AAT/NAP
Start	2370	End	3804
GI	3297816	Score	945
Exons	2370..2626, 2727..3118, 3304..3804		
GI Descrip.	(AL031032) putative protein [Arabidopsis thaliana]		

Seq. No.	36185	Seq. ID	OJ990818_15.9B12.C4
Gene No.	74543	Strand	+
Start	2341	End	4195
Name	OJ990818_15.9B12.C4.o1.tm	Method	TBLASTX:Maize
Start	2425	End	3687
GI	none	Score	85
Exons	2425..2526, 2535..2612, 2536..2616, 2729..2929, 2809..2925, 2981..3121, 3298..3345, 3306..3344, 3397..3687, 3402..3686		

Seq. No.	36185	Seq. ID	OJ990818_15.9B12.C4
Gene No.	74543	Strand	+
Start	2341	End	4195
Name	OJ990818_15.9B12.C4.o1.ts	Method	TBLASTX:Soybean
Start	2425	End	3768
GI	none	Score	264
Exons	2425..2613, 2532..2612, 2726..2929, 2728..2925, 2981..3121, 3297..3344, 3298..3345, 3370..3705, 3384..3686, 3730..3768		

Seq. No.	36185	Seq. ID	OJ990818_15.9B12.C4
Gene No.	74543	Strand	+
Start	2341	End	4195
Name	OJ990818_15.9B12.C4.o2.tc	Method	TBLASTX:Cress
Start	2425	End	2929
GI	none	Score	185
Exons	2425..2616, 2544..2612, 2732..2929, 2797..2925		

Seq. No.	36185	Seq. ID	OJ990818_15.9B12.C4
Gene No.	74543	Strand	+
Start	2341	End	4195
Name	OJ990818_15.9B12.C4.o1.tw	Method	TBLASTX:Wheat
Start	2732	End	3010
GI	none	Score	258
Exons	2732..2929, 2740..2928, 2984..3010		

Seq. No.	36185	Seq. ID	OJ990818_15.9B12.C4
Gene No.	74543	Strand	+
Start	2341	End	4195
Name	OJ990818_15.9B12.C4.o1.tc	Method	TBLASTX:Cress
Start	2993	End	3687
GI	none	Score	103
Exons	2993..3109, 3298..3354, 3361..3687		

Seq. No.	36185	Seq. ID	OJ990818_15.9B12.C4
Gene No.	74543	Strand	+
Start	2341	End	4195
Name	OJ990818_15.9B12.C4.o3.gp	Method	AAT/GAP
Start	3538	End	4195
GI	13689_1.R1084	Score	1266
Exons	3538..4195		
GI Descrip.	'3297816/emb\|CAA19874.1\| 3.0e-11 (AL031032) putative protein [Arabidopsis thaliana]'		

Seq. No.	36186	Seq. ID	OJ990818_15.9B12.C5
Gene No.	74544	Strand	-
Start	15	End	2227
Name	OJ990818_15.9B12.C5.o1.gs	Method	GENSCAN

Start	15	End	2227
GI	none	Score	.94
Exons	15..82, 1352..1416, 1935..2227		

Seq. No.	36187	Seq. ID	OJ990818_15.9B12.C6
Gene No.	74545	Strand	+
Start	1	End	2099
Name	OJ990818_15.9B12.C6.o1.np	Method	AAT/NAP
Start	1	End	2099
GI	5734621	Score	217
Exons	1..38, 88..298, 2067..2099		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	36187	Seq. ID	OJ990818_15.9B12.C6
Gene No.	74545	Strand	+
Start	1	End	2099
Name	OJ990818_15.9B12.C6.o2.np	Method	AAT/NAP
Start	1	End	2099
GI	3153821	Score	132
Exons	1..135, 1249..1610, 2073..2099		
GI Descrip.	(AF062655) plenty-of-prolines-101; POP101; SH3-philo-protein [Mus musculus]		

Seq. No.	36188	Seq. ID	OJ990818_15.9B12.C7
Gene No.	74546	Strand	+
Start	568	End	5175
Name	OJ990818_15.9B12.C7.o1.gs	Method	GENSCAN
Start	568	End	5060
GI	none	Score	.54
Exons	568..667, 3620..3730, 4755..5060		

Seq. No.	36188	Seq. ID	OJ990818_15.9B12.C7
Gene No.	74546	Strand	+
Start	568	End	5175
Name	OJ990818_15.9B12.C7.o1.np	Method	AAT/NAP
Start	2740	End	5175
GI	84043	Score	38
Exons	2740..2934, 3106..3209, 5147..5175		
GI Descrip.	NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 4 - Trypanosoma brucei mitochondrion (SGC6)		

Seq. No.	36188	Seq. ID	OJ990818_15.9B12.C7
Gene No.	74546	Strand	+
Start	568	End	5175
Name	OJ990818_15.9B12.C7.o1.gp	Method	AAT/GAP
Start	3125	End	3207
GI	LIB3477-003-P1-K1-E9	Score	112
Exons	3125..3207		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	36188	Seq. ID	OJ990818_15.9B12.C7
Gene No.	74546	Strand	+
Start	568	End	5175

Name	OJ990818_15.9B12.C7.o2.np	Method	AAT/NAP
Start	4880	End	5175
GI	6522924	Score	115
Exons	4880..5023, 5066..5175		
GI Descrip.	(AL132978) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36189	Seq. ID	OJ990818_15.9B12.C8
Gene No.	74547	Strand	+
Start	1	End	1942
Name	OJ990818_15.9B12.C8.o1.np	Method	AAT/NAP
Start	1	End	1196
GI	6522924	Score	604
Exons	1..206, 282..524, 618..1048, 1088..1196		
GI Descrip.	(AL132978) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36189	Seq. ID	OJ990818_15.9B12.C8
Gene No.	74547	Strand	+
Start	1	End	1942
Name	OJ990818_15.9B12.C8.o1.gs	Method	GENSCAN
Start	50	End	1942
GI	none	Score	.75
Exons	50..1353, 1863..1942		

Seq. No.	36190	Seq. ID	OJ990818_15.9B12.C9
Gene No.	74548	Strand	+
Start	479	End	839
Name	OJ990818_15.9B12.C9.o1.gs	Method	GENSCAN
Start	479	End	839
GI	none	Score	.72
Exons	479..556, 672..839		

Seq. No.	36191	Seq. ID	OJ990818_15.9B12.C10
Gene No.	74549	Strand	-
Start	396	End	1543
Name	OJ990818_15.9B12.C10.o1.gs	Method	GENSCAN
Start	396	End	1543
GI	none	Score	.52
Exons	396..558, 710..792, 1424..1543		

Seq. No.	36192	Seq. ID	OJ990818_15.9B12.C11
Gene No.	74550	Strand	+
Start	117	End	2140
Name	OJ990818_15.9B12.C11.o1.gs	Method	GENSCAN
Start	117	End	2140
GI	none	Score	.46
Exons	117..217, 435..482, 1413..1477, 2063..2140		

Seq. No.	36193	Seq. ID	OJ990818_15.9B12.C12
Gene No.	74551	Strand	+
Start	1	End	1731
Name	OJ990818_15.9B12.C12.o1.np	Method	AAT/NAP
Start	1	End	1359
GI	6759431	Score	80
Exons	1..21, 1190..1359		
GI Descrip.	(AL137189) putative protein [Arabidopsis thaliana]		

Seq. No.	36193	Seq. ID	OJ990818_15.9B12.C12

Gene No.	74551	Strand	+
Start	1	End	1731
Name	OJ990818_15.9B12.C12.o1.gs	Method	GENSCAN
Start	319	End	1731
GI	none	Score	.67
Exons	319..433, 919..965, 1153..1264, 1700..1731		

Seq. No.	36193	Seq. ID	OJ990818_15.9B12.C12
Gene No.	74552	Strand	-
Start	2492	End	2772
Name	OJ990818_15.9B12.C12.o2.gs	Method	GENSCAN
Start	2492	End	2634
GI	none	Score	.99
Exons	2492..2634		

Seq. No.	36193	Seq. ID	OJ990818_15.9B12.C12
Gene No.	74552	Strand	-
Start	2492	End	2772
Name	OJ990818_15.9B12.C12.o1.tm	Method	TBLASTX:Maize
Start	2515	End	2772
GI	none	Score	81
Exons	2515..2772, 2519..2737		

Seq. No.	36194	Seq. ID	OJ990818_15.9B12.C13
Gene No.	74553	Strand	+
Start	1	End	953
Name	OJ990818_15.9B12.C13.o1.np	Method	AAT/NAP
Start	1	End	953
GI	6069646	Score	184
Exons	1..69, 570..953		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	36195	Seq. ID	OJ990818_15.9B12.C14
Gene No.	74554	Strand	-
Start	872	End	988
Name	OJ990818_15.9B12.C14.o1.gs	Method	GENSCAN
Start	872	End	988
GI	none	Score	.52
Exons	872..988		

Seq. No.	36196	Seq. ID	OJ990818_15.9B12.C15
Gene No.	74555	Strand	+
Start	37	End	979
Name	OJ990818_15.9B12.C15.o1.gs	Method	GENSCAN
Start	37	End	979
GI	none	Score	.74
Exons	37..209, 856..979		

Seq. No.	36196	Seq. ID	OJ990818_15.9B12.C15
Gene No.	74556	Strand	-
Start	4050	End	4775
Name	OJ990818_15.9B12.C15.o2.gs	Method	GENSCAN
Start	4050	End	4775

GI	none	Score	.42
Exons	4050..4158, 4460..4617, 4707..4775		

Seq. No.	36197	Seq. ID	OJ990818_15.9B12.C16
Gene No.	74557	Strand	-
Start	150	End	1049
Name	OJ990818_15.9B12.C16.o1.gs	Method	GENSCAN
Start	150	End	1049
GI	none	Score	.46
Exons	150..418, 925..1049		

Seq. No.	36198	Seq. ID	OJ990818_15.9B12.C17
Gene No.	74558	Strand	+
Start	1	End	739
Name	OJ990818_15.9B12.C17.o1.np	Method	AAT/NAP
Start	1	End	739
GI	3169180	Score	81
Exons	1..105, 317..562, 709..739		
GI Descrip.	(AC004401) putative casein kinase II catalytic (alpha) subunit [Arabidopsis thaliana]		

Seq. No.	36198	Seq. ID	OJ990818_15.9B12.C17
Gene No.	74558	Strand	+
Start	1	End	739
Name	OJ990818_15.9B12.C17.o1.gs	Method	GENSCAN
Start	388	End	562
GI	none	Score	.96
Exons	388..562		

Seq. No.	36199	Seq. ID	OJ990818_15.9B12.C18
Gene No.	74559	Strand	+
Start	313	End	468
Name	OJ990818_15.9B12.C18.o1.gs	Method	GENSCAN
Start	313	End	468
GI	none	Score	.56
Exons	313..468		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74560	Strand	+
Start	74	End	207
Name	OJ990818_15.9B12.C20.o1.gs	Method	GENSCAN
Start	74	End	207
GI	none	Score	.99
Exons	74..207		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74561	Strand	+
Start	9909	End	10226
Name	OJ990818_15.9B12.C20.o2.gp	Method	AAT/GAP
Start	9909	End	10226
GI	none	Score	628
Exons	9909..10226		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74562	Strand	+
Start	15612	End	15995
Name	OJ990818_15.9B12.C20.o2.np	Method	AAT/NAP

Start	15612	End	15995
GI	3790593	Score	154
Exons	15612..15682, 15758..15995		
GI Descrip.	(AF079185) RING-H2 finger protein RHY1a [Arabidopsis thaliana]		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74563	Strand	-
Start	2469	End	2863
Name	OJ990818_15.9B12.C20.o1.gp	Method	AAT/GAP
Start	2469	End	2863
GI	5607590	Score	554
Exons	2469..2618, 2723..2863		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74564	Strand	-
Start	10109	End	14550
Name	OJ990818_15.9B12.C20.o3.gs	Method	GENSCAN
Start	10109	End	14550
GI	none	Score	.76
Exons	10109..10672, 10766..11332, 11431..12057, 12634..12954, 13289..13480, 14273..14479, 14488..14550		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74564	Strand	-
Start	10109	End	14550
Name	OJ990818_15.9B12.C20.o1.np	Method	AAT/NAP
Start	10112	End	12104
GI	6522918	Score	936
Exons	10112..10486, 10562..10672, 10766..10928, 10986..11332, 11399..11587, 11657..12104		
GI Descrip.	(AL132978) putative protein [Arabidopsis thaliana]		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74564	Strand	-
Start	10109	End	14550
Name	OJ990818_15.9B12.C20.o3.gp	Method	AAT/GAP
Start	11942	End	12651
GI	uC-osroM202039h08b1	Score	468
Exons	11942..12057, 12159..12228, 12574..12651		
GI Descrip.	'1946367 5.0e-09 (U93215) unknown protein [Arabidopsis thaliana]'		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74565	Strand	-
Start	16995	End	20038
Name	OJ990818_15.9B12.C20.o3.np	Method	AAT/NAP
Start	16989	End	19454
GI	3309620	Score	714
Exons	16989..17570, 17710..19454		
GI Descrip.	(AF074916) resistance to Pseudomonas syringae protein 5 [Arabidopsis thaliana]		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74565	Strand	-
Start	16995	End	20038
Name	OJ990818_15.9B12.C20.o4.gs	Method	GENSCAN
Start	16995	End	20038

GI	none	Score	.86
Exons	16995..19255, 19293..20038		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74566	Strand	-
Start	20181	End	20261
Name	OJ990818_15.9B12.C20.o3.tm	Method	TBLASTX:Maize
Start	2428	End	2820
GI	none	Score	56
Exons	2428..2475, 2429..2476, 2536..2619, 2549..2644, 2721..2810, 2722..2820, 2727..2807		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74566	Strand	-
Start	20181	End	20261
Name	OJ990818_15.9B12.C20.o1.tw	Method	TBLASTX:Wheat
Start	2545	End	2815
GI	none	Score	132
Exons	2545..2628, 2549..2632, 2588..2629, 2712..2813, 2713..2814, 2716..2814, 2717..2815		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74566	Strand	-
Start	20181	End	20261
Name	OJ990818_15.9B12.C20.o4.tm	Method	TBLASTX:Maize
Start	6369	End	8748
GI	none	Score	119
Exons	6369..6509, 6371..6499, 7839..8021, 7887..8006, 7888..8049, 7888..8022, 8554..8745, 8555..8746, 8556..8741, 8557..8748		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74566	Strand	-
Start	20181	End	20261
Name	OJ990818_15.9B12.C20.o4.tc	Method	TBLASTX:Cress
Start	6374	End	8765
GI	none	Score	94
Exons	6374..6511, 6375..6509, 7771..7833, 7777..8025, 7890..8027, 7891..8034, 7893..8027, 8556..8765, 8558..8740		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74566	Strand	-
Start	20181	End	20261
Name	OJ990818_15.9B12.C20.o5.ts	Method	TBLASTX:Soybean
Start	8579	End	8794
GI	none	Score	122
Exons	8579..8671, 8580..8672, 8654..8794, 8655..8756		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74566	Strand	-
Start	20181	End	20261
Name	OJ990818_15.9B12.C20.o2.tm	Method	TBLASTX:Maize
Start	10110	End	11041
GI	none	Score	39
Exons	10110..10136, 10115..10138, 10117..10146, 10127..10228, 10134..10229, 10134..10229, 10320..10439, 10325..10402, 10512..10679, 10514..10672, 10745..10924, 10754..10963, 10767..10937, 10931..10984, 10950..10997, 10994..11041		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74566	Strand	-
Start	20181	End	20261
Name	OJ990818_15.9B12.C20.o1.ts	Method	TBLASTX:Soybean
Start	10514	End	10963
GI	none	Score	117
Exons	10514..10672, 10527..10667, 10766..10963, 10767..10943		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74566	Strand	-
Start	20181	End	20261
Name	OJ990818_15.9B12.C20.o3.tc	Method	TBLASTX:Cress
Start	10514	End	10916
GI	none	Score	93
Exons	10514..10669, 10527..10679, 10766..10915, 10767..10916		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74566	Strand	-
Start	20181	End	20261
Name	OJ990818_15.9B12.C20.o2.tw	Method	TBLASTX:Wheat
Start	10586	End	10936
GI	none	Score	87
Exons	10586..10669, 10590..10676, 10766..10906, 10766..10936, 10776..10916		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74566	Strand	-
Start	20181	End	20261
Name	OJ990818_15.9B12.C20.o5.tc	Method	TBLASTX:Cress
Start	11085	End	11278
GI	none	Score	55
Exons	11085..11141, 11099..11188, 11192..11278, 11193..11276		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74566	Strand	-
Start	20181	End	20261
Name	OJ990818_15.9B12.C20.o2.ts	Method	TBLASTX:Soybean
Start	11195	End	11583
GI	none	Score	144
Exons	11195..11332, 11196..11324, 11422..11583		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74566	Strand	-
Start	20181	End	20261
Name	OJ990818_15.9B12.C20.o3.ts	Method	TBLASTX:Soybean
Start	11722	End	12227
GI	none	Score	117
Exons	11722..12048, 11767..11982, 11816..12034, 12153..12227		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74566	Strand	-
Start	20181	End	20261
Name	OJ990818_15.9B12.C20.o6.tm	Method	TBLASTX:Maize
Start	11725	End	11985
GI	none	Score	113
Exons	11725..11985, 11828..11971		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74566	Strand	-
Start	20181	End	20261
Name	OJ990818_15.9B12.C20.o2.tc	Method	TBLASTX:Cress
Start	11746	End	12233
GI	none	Score	81
Exons	11746..11994, 11767..11934, 11819..11980, 12013..12045, 12159..12233		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74566	Strand	-
Start	20181	End	20261
Name	OJ990818_15.9B12.C20.o1.tm	Method	TBLASTX:Maize
Start	14291	End	16002
GI	none	Score	38
Exons	14291..14317, 14447..14524, 14447..14524, 14455..14538, 14643..14678, 15417..15455, 15424..15735, 15432..16001, 15438..16001, 15775..16002		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74566	Strand	-
Start	20181	End	20261
Name	OJ990818_15.9B12.C20.o4.ts	Method	TBLASTX:Soybean
Start	15849	End	15986
GI	none	Score	203
Exons	15849..15977, 15852..15986		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74566	Strand	-
Start	20181	End	20261
Name	OJ990818_15.9B12.C20.o1.tc	Method	TBLASTX:Cress
Start	18024	End	19353
GI	none	Score	34
Exons	18024..18191, 18315..18422, 18522..18677, 18535..18666, 18738..19010, 18745..18831, 18906..19010, 19038..19151, 19194..19277, 19300..19353		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74566	Strand	-
Start	20181	End	20261
Name	OJ990818_15.9B12.C20.o5.tm	Method	TBLASTX:Maize
Start	18825	End	19277
GI	none	Score	71
Exons	18825..19013, 18829..18948, 18903..19034, 18996..19115, 19002..19151, 19168..19275, 19194..19277		

Seq. No.	36200	Seq. ID	OJ990818_15.9B12.C20
Gene No.	74566	Strand	-
Start	20181	End	20261
Name	OJ990818_15.9B12.C20.o4.gp	Method	AAT/GAP
Start	20181	End	20261
GI	69953_1.R1084	Score	124
Exons	20181..20261		
GI Descrip.	'5295936/dbj\|AB026295.2\|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	36201	Seq. ID	OJ990818_15.9B12.C22
Gene No.	74567	Strand	+
Start	1	End	1983
Name	OJ990818_15.9B12.C22.o1.np	Method	AAT/NAP
Start	1	End	1983
GI	3252807	Score	997
Exons	1..58, 480..547, 908..1983		
GI Descrip.	(AC004705) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36201	Seq. ID	OJ990818_15.9B12.C22
Gene No.	74567	Strand	+
Start	1	End	1983
Name	OJ990818_15.9B12.C22.o1.gs	Method	GENSCAN
Start	478	End	1951
GI	none	Score	.58
Exons	478..547, 908..1951		

Seq. No.	36201	Seq. ID	OJ990818_15.9B12.C22
Gene No.	74567	Strand	+
Start	1	End	1983
Name	OJ990818_15.9B12.C22.o1.ts	Method	TBLASTX:Soybean
Start	482	End	1414
GI	none	Score	67
Exons	482..547, 905..976, 951..1265, 973..1413, 974..1414		

Seq. No.	36201	Seq. ID	OJ990818_15.9B12.C22
Gene No.	74567	Strand	+
Start	1	End	1983
Name	OJ990818_15.9B12.C22.o1.gp	Method	AAT/GAP
Start	503	End	1251
GI	2431342	Score	718
Exons	503..547, 908..1251		
GI Descrip.	3252807 1.0e-38 (AC004705) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36201	Seq. ID	OJ990818_15.9B12.C22
Gene No.	74567	Strand	+
Start	1	End	1983
Name	OJ990818_15.9B12.C22.o2.tc	Method	TBLASTX:Cress
Start	905	End	1114
GI	none	Score	51
Exons	905..979, 977..1114, 988..1113		

Seq. No.	36201	Seq. ID	OJ990818_15.9B12.C22
Gene No.	74567	Strand	+
Start	1	End	1983
Name	OJ990818_15.9B12.C22.o1.tw	Method	TBLASTX:Wheat
Start	974	End	1255
GI	none	Score	352
Exons	974..1255, 974..1243, 994..1251		

Seq. No.	36201	Seq. ID	OJ990818_15.9B12.C22
Gene No.	74567	Strand	+
Start	1	End	1983
Name	OJ990818_15.9B12.C22.o2.tm	Method	TBLASTX:Maize
Start	974	End	1369
GI	none	Score	481

Exons	974..1348, 982..1317, 986..1369		
Seq. No.	36201	Seq. ID	OJ990818_15.9B12.C22
Gene No.	74567	Strand	+
Start	1	End	1983
Name	OJ990818_15.9B12.C22.o1.tc	Method	TBLASTX:Cress
Start	1118	End	1551
GI	none	Score	264
Exons	1118..1339, 1120..1338, 1375..1551, 1394..1540		
Seq. No.	36201	Seq. ID	OJ990818_15.9B12.C22
Gene No.	74567	Strand	+
Start	1	End	1983
Name	OJ990818_15.9B12.C22.o1.tm	Method	TBLASTX:Maize
Start	1371	End	1978
GI	none	Score	523
Exons	1371..1973, 1375..1767, 1376..1978, 1376..1969, 1837..1974		
Seq. No.	36201	Seq. ID	OJ990818_15.9B12.C22
Gene No.	74567	Strand	+
Start	1	End	1983
Name	OJ990818_15.9B12.C22.o2.ts	Method	TBLASTX:Soybean
Start	1436	End	1975
GI	none	Score	123
Exons	1436..1648, 1453..1560, 1591..1764, 1691..1786, 1787..1834, 1874..1975, 1916..1969		
Seq. No.	36201	Seq. ID	OJ990818_15.9B12.C22
Gene No.	74567	Strand	+
Start	1	End	1983
Name	OJ990818_15.9B12.C22.o2.gp	Method	AAT/GAP
Start	1603	End	1983
GI	3061088	Score	755
Exons	1603..1983		
GI Descrip.	3252807 1.0e-28 (AC004705) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	36201	Seq. ID	OJ990818_15.9B12.C22
Gene No.	74567	Strand	+
Start	1	End	1983
Name	OJ990818_15.9B12.C22.o2.tw	Method	TBLASTX:Wheat
Start	1781	End	1983
GI	none	Score	131
Exons	1781..1867, 1794..1868, 1865..1981, 1871..1981, 1873..1983, 1882..1983		
Seq. No.	36202	Seq. ID	OJ990818_15.9B12.C23
Gene No.	74568	Strand	+
Start	1	End	601
Name	OJ990818_15.9B12.C23.o1.np	Method	AAT/NAP
Start	1	End	582
GI	4468984	Score	177
Exons	1..582		
GI Descrip.	(AL035605) putative protein [Arabidopsis thaliana]		
Seq. No.	36202	Seq. ID	OJ990818_15.9B12.C23
Gene No.	74568	Strand	+

Start	1	End	601
Name	OJ990818_15.9B12.C23.o1.gs	Method	GENSCAN
Start	77	End	601
GI	none	Score	.45
Exons	77..601		

Seq. No.	36202	Seq. ID	OJ990818_15.9B12.C23
Gene No.	74569	Strand	+
Start	7224	End	13411
Name	OJ990818_15.9B12.C23.o3.gs	Method	GENSCAN
Start	7224	End	13411
GI	none	Score	.55
Exons	7224..7297, 7378..7496, 9094..9290, 9362..9483, 9899..9979, 10167..10463, 10997..11293, 11326..11465, 12657..12924, 13044..13064, 13357..13411		

Seq. No.	36202	Seq. ID	OJ990818_15.9B12.C23
Gene No.	74570	Strand	-
Start	1489	End	6875
Name	OJ990818_15.9B12.C23.o2.gs	Method	GENSCAN
Start	1489	End	6875
GI	none	Score	.71
Exons	1489..1526, 1901..2018, 4153..4270, 5446..5775, 5832..6305, 6434..6591, 6684..6875		

Seq. No.	36202	Seq. ID	OJ990818_15.9B12.C23
Gene No.	74570	Strand	-
Start	1489	End	6875
Name	OJ990818_15.9B12.C23.o2.np	Method	AAT/NAP
Start	5445	End	6854
GI	3169179	Score	899
Exons	5445..6305, 6434..6582, 6680..6854		
GI Descrip.	(AC004401) similar to hookless1 (HLS1) [Arabidopsis thaliana]		

Seq. No.	36202	Seq. ID	OJ990818_15.9B12.C23
Gene No.	74571	Strand	-
Start	13897	End	17967
Name	OJ990818_15.9B12.C23.o2.ts	Method	TBLASTX:Soybean
Start	62	End	249
GI	none	Score	200
Exons	62..247, 70..249		

Seq. No.	36202	Seq. ID	OJ990818_15.9B12.C23
Gene No.	74571	Strand	-
Start	13897	End	17967
Name	OJ990818_15.9B12.C23.o2.tc	Method	
Start	64	End	262
GI	none	Score	207
Exons	64..258, 74..262		

Seq. No.	36202	Seq. ID	OJ990818_15.9B12.C23
Gene No.	74571	Strand	-
Start	13897	End	17967
Name	OJ990818_15.9B12.C23.o5.tm	Method	TBLASTX:Maize
Start	72	End	219
GI	none	Score	233
Exons	72..218, 74..217, 76..219, 76..219		

Seq. No.	36202	Seq. ID	OJ990818_15.9B12.C23
Gene No.	74571	Strand	-
Start	13897	End	17967
Name	OJ990818_15.9B12.C23.o3.tm	Method	TBLASTX:Maize
Start	220	End	914
GI	none	Score	187
Exons	220..312, 221..349, 221..358, 439..471, 466..540, 470..541, 480..542, 546..581, 549..581, 578..640, 654..734, 682..723, 771..830, 781..831, 879..914		

Seq. No.	36202	Seq. ID	OJ990818_15.9B12.C23
Gene No.	74571	Strand	-
Start	13897	End	17967
Name	OJ990818_15.9B12.C23.o1.ts	Method	TBLASTX:Soybean
Start	5442	End	6836
GI	none	Score	53
Exons	5442..5489, 5505..5600, 5694..5771, 5945..6088, 5970..6035, 6143..6307, 6153..6308, 6433..6483, 6681..6836		

Seq. No.	36202	Seq. ID	OJ990818_15.9B12.C23
Gene No.	74571	Strand	-
Start	13897	End	17967
Name	OJ990818_15.9B12.C23.o1.tc	Method	TBLASTX:Cress
Start	5448	End	6839
GI	none	Score	77
Exons	5448..5498, 5449..5514, 5523..5600, 5524..5562, 5694..5774, 5841..5939, 5966..6307, 6150..6308, 6427..6489, 6681..6839, 6682..6831		

Seq. No.	36202	Seq. ID	OJ990818_15.9B12.C23
Gene No.	74571	Strand	-
Start	13897	End	17967
Name	OJ990818_15.9B12.C23.o4.tm	Method	TBLASTX:Maize
Start	5840	End	6203
GI	none	Score	120
Exons	5840..5935, 5850..5936, 5963..6088, 5970..6059, 5972..6067, 6143..6202, 6150..6203		

Seq. No.	36202	Seq. ID	OJ990818_15.9B12.C23
Gene No.	74571	Strand	-
Start	13897	End	17967
Name	OJ990818_15.9B12.C23.o6.tm	Method	TBLASTX:Maize
Start	6681	End	6846
GI	none	Score	119
Exons	6681..6761, 6682..6762, 6683..6790, 6761..6811, 6762..6827, 6765..6845, 6766..6846		

Seq. No.	36202	Seq. ID	OJ990818_15.9B12.C23
Gene No.	74571	Strand	-
Start	13897	End	17967
Name	OJ990818_15.9B12.C23.o1.tm	Method	TBLASTX:Maize
Start	13765	End	15468
GI	none	Score	52
Exons	13765..13812, 13766..13813, 13850..13906, 13851..13907, 13859..13906, 13864..14037, 13916..13957, 13948..13995, 13976..14023, 14024..14122, 14024..14122, 14025..14123,		

14026..14124, 14124..14231, 14124..14204, 14125..14208,
14126..14221, 14294..14437, 14310..14420, 14311..14439,
14312..14437, 14985..15080, 14986..15078, 14987..15100,
15008..15085, 15165..15284, 15166..15273, 15397..15447,
15403..15468

Seq. No.	36202	Seq. ID	OJ990818_15.9B12.C23
Gene No.	74571	Strand	-
Start	13897	End	17967
Name	OJ990818_15.9B12.C23.o4.gs	Method	GENSCAN
Start	13897	End	17786
GI	none	Score	.58
Exons	13897..13968, 14312..14419, 14988..15077, 15165..15281, 15396..15515, 17171..17350, 17386..17573, 17599..17786		

Seq. No.	36202	Seq. ID	OJ990818_15.9B12.C23
Gene No.	74571	Strand	-
Start	13897	End	17967
Name	OJ990818_15.9B12.C23.o1.gp	Method	AAT/GAP
Start	14085	End	15293
GI	LIB3434-040-P1-K1-D6	Score	807
Exons	14085..14221, 14312..14419, 14988..15077, 15165..15293		
GI Descrip.	'3252807 1.0e-38 (AC004705) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	36202	Seq. ID	OJ990818_15.9B12.C23
Gene No.	74571	Strand	-
Start	13897	End	17967
Name	OJ990818_15.9B12.C23.o3.np	Method	AAT/NAP
Start	14115	End	17967
GI	5725435	Score	300
Exons	14115..14221, 14312..14419, 14988..15077, 15165..15281, 15396..15515, 17171..17503, 17573..17967		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		

Seq. No.	36202	Seq. ID	OJ990818_15.9B12.C23
Gene No.	74571	Strand	-
Start	13897	End	17967
Name	OJ990818_15.9B12.C23.o2.tm	Method	TBLASTX:Maize
Start	17403	End	17711
GI	none	Score	121
Exons	17403..17498, 17403..17543, 17413..17511, 17487..17696, 17496..17651, 17685..17711		

Seq. No.	36203	Seq. ID	OJ990818_15.9B12.C24
Gene No.	74572	Strand	-
Start	434	End	640
Name	OJ990818_15.9B12.C24.o1.gs	Method	GENSCAN
Start	434	End	640
GI	none	Score	.72
Exons	434..640		

Seq. No.	36204	Seq. ID	OJ990818_15.9B12.C28
Gene No.	74573	Strand	-
Start	274	End	543
Name	OJ990818_15.9B12.C28.o1.np	Method	AAT/NAP
Start	274	End	543

GI	6498436	Score	103
Exons	274..543		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	36205	Seq. ID	OJ990818_11.9B12.C1
Gene No.	74574	Strand	+
Start	1	End	659
Name	OJ990818_11.9B12.C1.o1.np	Method	AAT/NAP
Start	1	End	659
GI	5902445	Score	570
Exons	1..659		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	36205	Seq. ID	OJ990818_11.9B12.C1
Gene No.	74574	Strand	+
Start	1	End	659
Name	OJ990818_11.9B12.C1.o1.tw	Method	TBLASTX:Wheat
Start	50	End	642
GI	none	Score	315
Exons	50..502, 65..160, 199..306, 527..640, 532..642		

Seq. No.	36206	Seq. ID	OJ990818_11.9B12.C2
Gene No.	74575	Strand	+
Start	362	End	538
Name	OJ990818_11.9B12.C2.o1.gp	Method	AAT/GAP
Start	362	End	538
GI	287048	Score	354
Exons	362..538		

Seq. No.	36206	Seq. ID	OJ990818_11.9B12.C2
Gene No.	74576	Strand	-
Start	410	End	490
Name	OJ990818_11.9B12.C2.o1.gs	Method	GENSCAN
Start	410	End	490
GI	none	Score	.84
Exons	410..490		

Seq. No.	36207	Seq. ID	OJ990818_11.9B12.C3
Gene No.	74577	Strand	-
Start	120	End	261
Name	OJ990818_11.9B12.C3.o1.gs	Method	GENSCAN
Start	120	End	261
GI	none	Score	.78
Exons	120..261		

Seq. No.	36208	Seq. ID	OJ990818_11.9B12.C4
Gene No.	74578	Strand	-
Start	75	End	167
Name	OJ990818_11.9B12.C4.o1.gs	Method	GENSCAN
Start	75	End	167
GI	none	Score	.79
Exons	75..167		

Seq. No.	36209	Seq. ID	OJ990818_11.9B12.C5
Gene No.	74579	Strand	-
Start	546	End	1277
Name	OJ990818_11.9B12.C5.o1.gs	Method	GENSCAN

Start	546	End	1277
GI	none	Score	.57
Exons	546..584, 1221..1277		

Seq. No.	36210	Seq. ID	OJ990818_11.9B12.C6
Gene No.	74580	Strand	+
Start	1	End	3077
Name	OJ990818_11.9B12.C6.o1.gp	Method	AAT/GAP
Start	1	End	2959
GI	342_1.R1084	Score	4809
Exons	1..2226, 2262..2281, 2364..2461, 2571..2959		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	36210	Seq. ID	OJ990818_11.9B12.C6
Gene No.	74580	Strand	+
Start	1	End	3077
Name	OJ990818_11.9B12.C6.o5.gp	Method	AAT/GAP
Start	1	End	3077
GI	342_1.R1084	Score	5002
Exons	1..2226, 2262..2281, 2364..2461, 2571..3077		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	36210	Seq. ID	OJ990818_11.9B12.C6
Gene No.	74580	Strand	+
Start	1	End	3077
Name	OJ990818_11.9B12.C6.o1.np	Method	AAT/NAP
Start	1	End	1637
GI	6742729	Score	2579
Exons	1..1637		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	36210	Seq. ID	OJ990818_11.9B12.C6
Gene No.	74580	Strand	+
Start	1	End	3077
Name	OJ990818_11.9B12.C6.o2.gp	Method	AAT/GAP
Start	1	End	2956
GI	342_1.R1084	Score	4803
Exons	1..2226, 2262..2281, 2364..2461, 2571..2956		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	36210	Seq. ID	OJ990818_11.9B12.C6
Gene No.	74580	Strand	+
Start	1	End	3077
Name	OJ990818_11.9B12.C6.o1.gs	Method	GENSCAN
Start	54	End	2154
GI	none	Score	.86
Exons	54..579, 602..637, 652..2154		

Seq. No.	36210	Seq. ID	OJ990818_11.9B12.C6
Gene No.	74581	Strand	-
Start	1815	End	2217
Name	OJ990818_11.9B12.C6.o2.tm	Method	TBLASTX:Maize
Start	1	End	288
GI	none	Score	106

Exons	1..84, 94..288		
Seq. No.	36210	Seq. ID	OJ990818_11.9B12.C6
Gene No.	74581	Strand	-
Start	1815	End	2217
Name	OJ990818_11.9B12.C6.o3.tw	Method	TBLASTX:Wheat
Start	1	End	254
GI	none	Score	76
Exons	1..45, 12..44, 25..249, 46..249, 48..254		
Seq. No.	36210	Seq. ID	OJ990818_11.9B12.C6
Gene No.	74581	Strand	-
Start	1815	End	2217
Name	OJ990818_11.9B12.C6.o1.ts	Method	TBLASTX:Soybean
Start	118	End	360
GI	none	Score	218
Exons	118..360		
Seq. No.	36210	Seq. ID	OJ990818_11.9B12.C6
Gene No.	74581	Strand	-
Start	1815	End	2217
Name	OJ990818_11.9B12.C6.o2.tw	Method	TBLASTX:Wheat
Start	393	End	803
GI	none	Score	87
Exons	393..443, 394..456, 462..644, 466..708, 712..801, 717..803, 718..801		
Seq. No.	36210	Seq. ID	OJ990818_11.9B12.C6
Gene No.	74581	Strand	-
Start	1815	End	2217
Name	OJ990818_11.9B12.C6.o1.tw	Method	TBLASTX:Wheat
Start	804	End	2121
GI	none	Score	321
Exons	804..1529, 804..1706, 805..1722, 1717..1761, 1721..1756, 1764..1859, 1768..1827, 1806..1931, 1807..1935, 1837..1938, 1978..2040, 2029..2121		
Seq. No.	36210	Seq. ID	OJ990818_11.9B12.C6
Gene No.	74581	Strand	-
Start	1815	End	2217
Name	OJ990818_11.9B12.C6.o1.tm	Method	TBLASTX:Maize
Start	847	End	1161
GI	none	Score	311
Exons	847..1161, 858..1133, 931..1161		
Seq. No.	36210	Seq. ID	OJ990818_11.9B12.C6
Gene No.	74581	Strand	-
Start	1815	End	2217
Name	OJ990818_11.9B12.C6.o1.tc	Method	TBLASTX:Cress
Start	1088	End	1539
GI	none	Score	168
Exons	1088..1270, 1092..1529, 1092..1535, 1096..1539, 1390..1539		
Seq. No.	36210	Seq. ID	OJ990818_11.9B12.C6
Gene No.	74581	Strand	-
Start	1815	End	2217
Name	OJ990818_11.9B12.C6.o3.gp	Method	AAT/GAP

Start	1815	End	2217
GI	LIB3431-028-P1-N1-A10	Score	769
Exons	1815..2217		
GI Descrip.	'4680203/gb\|AAD27566.1\|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	36211	Seq. ID	OJ990818_11.9B12.C7
Gene No.	74582	Strand	+
Start	125	End	4968
Name	OJ990818_11.9B12.C7.o1.gs	Method	GENSCAN
Start	125	End	4968
GI	none	Score	.65
Exons	125..326, 898..902, 1271..1645, 1664..2115, 2362..2527, 2573..2692, 2767..3863, 3973..4146, 4243..4353, 4438..4510, 4605..4703, 4783..4968		

Seq. No.	36211	Seq. ID	OJ990818_11.9B12.C7
Gene No.	74582	Strand	+
Start	125	End	4968
Name	OJ990818_11.9B12.C7.o2.np	Method	AAT/NAP
Start	1256	End	4950
GI	4680204	Score	1042
Exons	1256..2692, 2767..3863, 3973..4146, 4243..4462, 4813..4950		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	36211	Seq. ID	OJ990818_11.9B12.C7
Gene No.	74583	Strand	+
Start	5305	End	5447
Name	OJ990818_11.9B12.C7.o2.gp	Method	AAT/GAP
Start	5305	End	5447
GI	21474_1.R1084	Score	255
Exons	5305..5447		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	36211	Seq. ID	OJ990818_11.9B12.C7
Gene No.	74584	Strand	-
Start	2100	End	8695
Name	OJ990818_11.9B12.C7.o1.tw	Method	TBLASTX:Wheat
Start	1899	End	2302
GI	none	Score	62
Exons	1899..2039, 1899..2009, 1901..2137, 1901..2050, 2002..2169, 2132..2302		

Seq. No.	36211	Seq. ID	OJ990818_11.9B12.C7
Gene No.	74584	Strand	-
Start	2100	End	8695
Name	OJ990818_11.9B12.C7.o4.np	Method	AAT/NAP
Start	2100	End	7079
GI	130582	Score	239
Exons	2100..2137, 6559..7079		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi\|100342\|pir\|\|S04273 hypothetical protein - common tobacco gi\|20045\|emb\|CAA32025\| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	36211	Seq. ID	OJ990818_11.9B12.C7

Gene No.	74584	Strand	-
Start	2100	End	8695
Name	OJ990818_11.9B12.C7.o2.tw	Method	TBLASTX:Wheat
Start	3790	End	4312
GI	none	Score	60
Exons	3790..3870, 3959..4141, 4009..4134, 4241..4312		

Seq. No.	36211	Seq. ID	OJ990818_11.9B12.C7
Gene No.	74584	Strand	-
Start	2100	End	8695
Name	OJ990818_11.9B12.C7.o2.gs	Method	GENSCAN
Start	5363	End	8695
GI	none	Score	.73
Exons	5363..5547, 6329..6470, 6676..6864, 7281..7461, 7819..7847, 8032..8106, 8580..8695		

Seq. No.	36211	Seq. ID	OJ990818_11.9B12.C7
Gene No.	74584	Strand	-
Start	2100	End	8695
Name	OJ990818_11.9B12.C7.o3.tw	Method	TBLASTX:Wheat
Start	6559	End	6738
GI	none	Score	37
Exons	6559..6606, 6560..6607, 6586..6738, 6593..6718		

Seq. No.	36212	Seq. ID	OJ990818_11.9B12.C8
Gene No.	74585	Strand	+
Start	12186	End	16681
Name	OJ990818_11.9B12.C8.o2.np	Method	AAT/NAP
Start	12186	End	15219
GI	100484	Score	130
Exons	12186..12216, 14519..15219		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	36212	Seq. ID	OJ990818_11.9B12.C8
Gene No.	74585	Strand	+
Start	12186	End	16681
Name	OJ990818_11.9B12.C8.o3.np	Method	AAT/NAP
Start	12762	End	16681
GI	6742729	Score	155
Exons	12762..12908, 14366..14526, 14565..15076, 16616..16681		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	36212	Seq. ID	OJ990818_11.9B12.C8
Gene No.	74585	Strand	+
Start	12186	End	16681
Name	OJ990818_11.9B12.C8.o3.gs	Method	GENSCAN
Start	13295	End	14379
GI	none	Score	.82
Exons	13295..13372, 14311..14379		

Seq. No.	36212	Seq. ID	OJ990818_11.9B12.C8
Gene No.	74586	Strand	-
Start	16165	End	24158
Name	OJ990818_11.9B12.C8.o4.gs	Method	GENSCAN
Start	16165	End	24090
GI	none	Score	.63
Exons	16165..16274, 19469..19516, 19615..19807, 21633..21685,		

22456..22566, 22960..23442, 23447..23594, 23881..24090

Seq. No.	36212	Seq. ID	OJ990818_11.9B12.C8
Gene No.	74586	Strand	-
Start	16165	End	24158
Name	OJ990818_11.9B12.C8.o2.gp	Method	AAT/GAP
Start	23522	End	24158
GI	701983	Score	636
Exons	23522..23594, 23881..24158		

Seq. No.	36213	Seq. ID	OJ990818_11.9B12.C9
Gene No.	74587	Strand	-
Start	1	End	611
Name	OJ990818_11.9B12.C9.o1.np	Method	AAT/NAP
Start	1	End	611
GI	4680203	Score	644
Exons	1..611		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	36213	Seq. ID	OJ990818_11.9B12.C9
Gene No.	74587	Strand	-
Start	1	End	611
Name	OJ990818_11.9B12.C9.o1.ts	Method	TBLASTX:Soybean
Start	30	End	320
GI	none	Score	99
Exons	30..95, 102..320, 106..312		

Seq. No.	36213	Seq. ID	OJ990818_11.9B12.C9
Gene No.	74587	Strand	-
Start	1	End	611
Name	OJ990818_11.9B12.C9.o1.tw	Method	TBLASTX:Wheat
Start	87	End	442
GI	none	Score	157
Exons	87..344, 100..342, 102..353, 103..345, 359..442		

Seq. No.	36213	Seq. ID	OJ990818_11.9B12.C9
Gene No.	74587	Strand	-
Start	1	End	611
Name	OJ990818_11.9B12.C9.o1.gs	Method	GENSCAN
Start	335	End	556
GI	none	Score	.68
Exons	335..556		

Seq. No.	36213	Seq. ID	OJ990818_11.9B12.C9
Gene No.	74587	Strand	-
Start	1	End	611
Name	OJ990818_11.9B12.C9.o2.np	Method	AAT/NAP
Start	464	End	611
GI	5852182	Score	157
Exons	464..611		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	36214	Seq. ID	OJ990818_11.9B12.C10
Gene No.	74588	Strand	-
Start	1	End	750
Name	OJ990818_11.9B12.C10.o1.gp	Method	AAT/GAP
Start	1	End	593

GI	2310235	Score	320
Exons	1..142, 556..593		
GI Descrip.	5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	36214	Seq. ID	OJ990818_11.9B12.C10
Gene No.	74588	Strand	-
Start	1	End	750
Name	OJ990818_11.9B12.C10.o1.np	Method	AAT/NAP
Start	1	End	750
GI	5852182	Score	166
Exons	1..142, 702..750		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	36215	Seq. ID	OJ990818_11.9B12.C11
Gene No.	74589	Strand	-
Start	4294	End	4394
Name	OJ990818_11.9B12.C11.o2.gs	Method	GENSCAN
Start	4294	End	4394
GI	none	Score	.82
Exons	4294..4394		

Seq. No.	36216	Seq. ID	OJ990818_11.9B12.C12
Gene No.	74590	Strand	+
Start	978	End	5748
Name	OJ990818_11.9B12.C12.o1.np	Method	AAT/NAP
Start	978	End	5748
GI	4680203	Score	1699
Exons	978..1013, 2383..4115, 4272..4496, 4773..5748		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	36216	Seq. ID	OJ990818_11.9B12.C12
Gene No.	74590	Strand	+
Start	978	End	5748
Name	OJ990818_11.9B12.C12.o1.gs	Method	GENSCAN
Start	1106	End	5726
GI	none	Score	.53
Exons	1106..1327, 2383..2809, 3073..5726		

Seq. No.	36216	Seq. ID	OJ990818_11.9B12.C12
Gene No.	74590	Strand	+
Start	978	End	5748
Name	OJ990818_11.9B12.C12.o2.tw	Method	TBLASTX:Wheat
Start	2877	End	3470
GI	none	Score	232
Exons	2877..3167, 2879..3169, 3225..3341, 3228..3326, 3345..3470, 3362..3469		

Seq. No.	36216	Seq. ID	OJ990818_11.9B12.C12
Gene No.	74590	Strand	+
Start	978	End	5748
Name	OJ990818_11.9B12.C12.o1.ts	Method	TBLASTX:Soybean
Start	2895	End	3193
GI	none	Score	295
Exons	2895..3167, 2912..3193		

Seq. No.	36216	Seq. ID	OJ990818_11.9B12.C12

Gene No.	74590	Strand	+
Start	978	End	5748
Name	OJ990818_11.9B12.C12.o2.ts	Method	TBLASTX:Soybean
Start	3210	End	3485
GI	none	Score	218
Exons	3210..3485, 3245..3484		

Seq. No.	36216	Seq. ID	OJ990818_11.9B12.C12
Gene No.	74590	Strand	+
Start	978	End	5748
Name	OJ990818_11.9B12.C12.o2.tc	Method	TBLASTX:Cress
Start	3234	End	3566
GI	none	Score	288
Exons	3234..3566, 3320..3370, 3404..3511		

Seq. No.	36216	Seq. ID	OJ990818_11.9B12.C12
Gene No.	74590	Strand	+
Start	978	End	5748
Name	OJ990818_11.9B12.C12.o2.tm	Method	TBLASTX:Maize
Start	3372	End	3857
GI	none	Score	102
Exons	3372..3476, 3380..3475, 3479..3571, 3483..3572, 3640..3675, 3669..3716, 3717..3764, 3764..3853, 3768..3857		

Seq. No.	36216	Seq. ID	OJ990818_11.9B12.C12
Gene No.	74590	Strand	+
Start	978	End	5748
Name	OJ990818_11.9B12.C12.o3.tw	Method	TBLASTX:Wheat
Start	3471	End	3806
GI	none	Score	57
Exons	3471..3512, 3516..3614, 3518..3613, 3660..3758, 3671..3742, 3768..3806		

Seq. No.	36216	Seq. ID	OJ990818_11.9B12.C12
Gene No.	74590	Strand	+
Start	978	End	5748
Name	OJ990818_11.9B12.C12.o1.tm	Method	TBLASTX:Maize
Start	4362	End	4745
GI	none	Score	63
Exons	4362..4430, 4430..4744, 4431..4745		

Seq. No.	36216	Seq. ID	OJ990818_11.9B12.C12
Gene No.	74590	Strand	+
Start	978	End	5748
Name	OJ990818_11.9B12.C12.o1.tw	Method	TBLASTX:Wheat
Start	4386	End	5519
GI	none	Score	552
Exons	4386..5102, 4439..5014, 5145..5309, 5162..5293, 5286..5387, 5297..5416, 5418..5519, 5420..5512		

Seq. No.	36216	Seq. ID	OJ990818_11.9B12.C12
Gene No.	74590	Strand	+
Start	978	End	5748
Name	OJ990818_11.9B12.C12.o1.tc	Method	TBLASTX:Cress
Start	4677	End	5102
GI	none	Score	314
Exons	4677..5102, 4685..5014		

Seq. No.	36216	Seq. ID	OJ990818_11.9B12.C12
Gene No.	74590	Strand	+
Start	978	End	5748
Name	OJ990818_11.9B12.C12.o3.tm	Method	TBLASTX:Maize
Start	4995	End	5285
GI	none	Score	140
Exons	4995..5165, 5043..5159, 5177..5284, 5178..5285		

Seq. No.	36216	Seq. ID	OJ990818_11.9B12.C12
Gene No.	74590	Strand	+
Start	978	End	5748
Name	OJ990818_11.9B12.C12.o3.ts	Method	TBLASTX:Soybean
Start	5367	End	5579
GI	none	Score	187
Exons	5367..5579, 5367..5525		

Seq. No.	36217	Seq. ID	OJ990818_11.9B12.C13
Gene No.	74591	Strand	+
Start	96	End	4983
Name	OJ990818_11.9B12.C13.o1.gs	Method	GENSCAN
Start	96	End	4983
GI	none	Score	64
Exons	96..173, 761..887, 913..1036, 1127..1799, 2823..3360, 3446..3697, 3977..4058, 4333..4499, 4737..4983		

Seq. No.	36218	Seq. ID	OJ990818_11.9B12.C14
Gene No.	74592	Strand	+
Start	10	End	3306
Name	OJ990818_11.9B12.C14.o1.gs	Method	GENSCAN
Start	10	End	3306
GI	none	Score	.71
Exons	10..58, 1739..1837, 2851..2879, 3061..3306		

Seq. No.	36218	Seq. ID	OJ990818_11.9B12.C14
Gene No.	74593	Strand	+
Start	4424	End	7572
Name	OJ990818_11.9B12.C14.o2.np	Method	AAT/NAP
Start	3749	End	7572
GI	4680203	Score	1003
Exons	3749..3816, 4536..5939, 7543..7572		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	36218	Seq. ID	OJ990818_11.9B12.C14
Gene No.	74593	Strand	+
Start	4424	End	7572
Name	OJ990818_11.9B12.C14.o2.gs	Method	GENSCAN
Start	4424	End	6428
GI	none	Score	.9
Exons	4424..4436, 4540..5454, 5881..6428		

Seq. No.	36218	Seq. ID	OJ990818_11.9B12.C14
Gene No.	74593	Strand	+
Start	4424	End	7572
Name	OJ990818_11.9B12.C14.o1.np	Method	AAT/NAP
Start	4540	End	5936
GI	4680203	Score	1000

Exons	4540..5936		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	36218	Seq. ID	OJ990818_11.9B12.C14
Gene No.	74593	Strand	+
Start	4424	End	7572
Name	OJ990818_11.9B12.C14.o1.tw	Method	TBLASTX:Wheat
Start	4917	End	5576
GI	none	Score	237
Exons	4917..5312, 4985..5233, 5321..5431, 5325..5444, 5451..5576		
Seq. No.	36218	Seq. ID	OJ990818_11.9B12.C14
Gene No.	74593	Strand	+
Start	4424	End	7572
Name	OJ990818_11.9B12.C14.o1.ts	Method	TBLASTX:Soybean
Start	4968	End	5305
GI	none	Score	47
Exons	4968..5015, 4973..5023, 5000..5254, 5021..5305, 5022..5303		
Seq. No.	36218	Seq. ID	OJ990818_11.9B12.C14
Gene No.	74593	Strand	+
Start	4424	End	7572
Name	OJ990818_11.9B12.C14.o3.ts	Method	TBLASTX:Soybean
Start	5324	End	5591
GI	none	Score	216
Exons	5324..5590, 5328..5591		
Seq. No.	36218	Seq. ID	OJ990818_11.9B12.C14
Gene No.	74593	Strand	+
Start	4424	End	7572
Name	OJ990818_11.9B12.C14.o1.tc	Method	TBLASTX:Cress
Start	5325	End	5672
GI	none	Score	315
Exons	5325..5672, 5330..5479, 5519..5671		
Seq. No.	36218	Seq. ID	OJ990818_11.9B12.C14
Gene No.	74593	Strand	+
Start	4424	End	7572
Name	OJ990818_11.9B12.C14.o1.tm	Method	TBLASTX:Maize
Start	5511	End	5932
GI	none	Score	223
Exons	5511..5642, 5516..5743, 5517..5759, 5738..5932, 5766..5930		
Seq. No.	36218	Seq. ID	OJ990818_11.9B12.C14
Gene No.	74593	Strand	+
Start	4424	End	7572
Name	OJ990818_11.9B12.C14.o3.tw	Method	TBLASTX:Wheat
Start	5577	End	5903
GI	none	Score	56
Exons	5577..5618, 5625..5720, 5625..5720, 5627..5722, 5765..5902, 5766..5903		
Seq. No.	36218	Seq. ID	OJ990818_11.9B12.C14
Gene No.	74593	Strand	+
Start	4424	End	7572
Name	OJ990818_11.9B12.C14.o2.tw	Method	TBLASTX:Wheat
Start	5906	End	6401

GI	none	Score	146
Exons	5906..6061, 5937..6062, 5947..6063, 6078..6128, 6085..6126, 6129..6182, 6201..6305, 6306..6401		
Seq. No.	36218	Seq. ID	OJ990818_11.9B12.C14
Gene No.	74593	Strand	+
Start	4424	End	7572
Name	OJ990818_11.9B12.C14.o2.ts	Method	TBLASTX:Soybean
Start	6114	End	6362
GI	none	Score	225
Exons	6114..6362, 6116..6232		
Seq. No.	36219	Seq. ID	OJ990818_11.9B12.C15
Gene No.	74594	Strand	+
Start	1	End	8790
Name	OJ990818_11.9B12.C15.o1.np	Method	AAT/NAP
Start	1	End	8790
GI	5852180	Score	452
Exons	1..273, 2122..2175, 3155..3280, 3309..3715, 6144..6222, 8772..8790		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	36219	Seq. ID	OJ990818_11.9B12.C15
Gene No.	74594	Strand	+
Start	1	End	8790
Name	OJ990818_11.9B12.C15.o1.gs	Method	GENSCAN
Start	138	End	8477
GI	none	Score	.48
Exons	138..531, 1044..1303, 2122..2175, 3139..3715, 4488..4633, 4671..4716, 4815..4895, 5109..5420, 5508..6113, 6222..6394, 6473..6643, 6726..7014, 8280..8477		
Seq. No.	36219	Seq. ID	OJ990818_11.9B12.C15
Gene No.	74595	Strand	+
Start	9463	End	15808
Name	OJ990818_11.9B12.C15.o2.gs	Method	GENSCAN
Start	9463	End	15316
GI	none	Score	.48
Exons	9463..9595, 11599..11668, 13220..13458, 14345..14476, 14490..15316		
Seq. No.	36219	Seq. ID	OJ990818_11.9B12.C15
Gene No.	74595	Strand	+
Start	9463	End	15808
Name	OJ990818_11.9B12.C15.o2.np	Method	AAT/NAP
Start	14342	End	15808
GI	6907087	Score	682
Exons	14342..15166, 15707..15808		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	36219	Seq. ID	OJ990818_11.9B12.C15
Gene No.	74596	Strand	+
Start	16268	End	16423
Name	OJ990818_11.9B12.C15.o3.gp	Method	AAT/GAP
Start	16268	End	16423

GI	uC-osflcyp033a04b1	Score	285
Exons	16268..16423		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	36219	Seq. ID	OJ990818_11.9B12.C15
Gene No.	74597	Strand	-
Start	2024	End	2405
Name	OJ990818_11.9B12.C15.o1.gp	Method	AAT/GAP
Start	2024	End	2405
GI	uC-osflcyp033a04b1	Score	663
Exons	2024..2405		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	36219	Seq. ID	OJ990818_11.9B12.C15
Gene No.	74598	Strand	-
Start	15701	End	16423
Name	OJ990818_11.9B12.C15.o3.gs	Method	GENSCAN
Start	15701	End	16308
GI	none	Score	.96
Exons	15701..15807, 16248..16308		

Seq. No.	36219	Seq. ID	OJ990818_11.9B12.C15
Gene No.	74598	Strand	-
Start	15701	End	16423
Name	OJ990818_11.9B12.C15.o3.np	Method	AAT/NAP
Start	16201	End	16423
GI	4680186	Score	353
Exons	16201..16423		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	36220	Seq. ID	OJ990818_11.9B12.C16
Gene No.	74599	Strand	+
Start	142	End	489
Name	OJ990818_11.9B12.C16.o1.gs	Method	GENSCAN
Start	142	End	489
GI	none	Score	.64
Exons	142..232, 461..489		

Seq. No.	36220	Seq. ID	OJ990818_11.9B12.C16
Gene No.	74600	Strand	+
Start	8262	End	9562
Name	OJ990818_11.9B12.C16.o3.gs	Method	GENSCAN
Start	8262	End	9562
GI	none	Score	.65
Exons	8262..8318, 8723..8802, 8822..8853, 8966..9082, 9423..9562		

Seq. No.	36220	Seq. ID	OJ990818_11.9B12.C16
Gene No.	74601	Strand	-
Start	1440	End	5954
Name	OJ990818_11.9B12.C16.o2.gs	Method	GENSCAN
Start	1440	End	5954
GI	none	Score	.41
Exons	1440..1621, 1673..1694, 1862..2199, 2359..2517, 2639..2741, 3238..3387, 3671..3787, 5835..5954		

Seq. No.	36221	Seq. ID	OJ990818_11.9B12.C17
Gene No.	74602	Strand	+
Start	728	End	1666
Name	OJ990818_11.9B12.C17.o1.gs	Method	GENSCAN
Start	728	End	1666
GI	none	Score	.41
Exons	728..844, 1514..1666		

Seq. No.	36221	Seq. ID	OJ990818_11.9B12.C17
Gene No.	74603	Strand	+
Start	2376	End	4599
Name	OJ990818_11.9B12.C17.o2.gs	Method	GENSCAN
Start	2376	End	4599
GI	none	Score	.75
Exons	2376..2441, 3212..3391, 3529..3576, 4498..4599		

Seq. No.	36221	Seq. ID	OJ990818_11.9B12.C17
Gene No.	74604	Strand	-
Start	5826	End	6456
Name	OJ990818_11.9B12.C17.o3.gs	Method	GENSCAN
Start	5826	End	6456
GI	none	Score	.6
Exons	5826..6349, 6409..6456		

Seq. No.	36222	Seq. ID	OJ990518_06.9B05.C2
Gene No.	74605	Strand	-
Start	51	End	498
Name	OJ990518_06.9B05.C2.o1.gs	Method	GENSCAN
Start	51	End	498
GI	none	Score	.68
Exons	51..236, 287..435, 441..498		

Seq. No.	36223	Seq. ID	OJ990518_06.9B05.C3
Gene No.	74606	Strand	-
Start	63	End	113
Name	OJ990518_06.9B05.C3.o1.gs	Method	GENSCAN
Start	63	End	113
GI	none	Score	.75
Exons	63..113		

Seq. No.	36224	Seq. ID	OJ990518_06.9B05.C4
Gene No.	74607	Strand	+
Start	2125	End	2910
Name	OJ990518_06.9B05.C4.o1.gs	Method	GENSCAN
Start	2125	End	2910
GI	none	Score	.97
Exons	2125..2910		

Seq. No.	36224	Seq. ID	OJ990518_06.9B05.C4
Gene No.	74608	Strand	+
Start	3152	End	7617
Name	OJ990518_06.9B05.C4.o1.np	Method	AAT/NAP
Start	3152	End	7617
GI	4680341	Score	494
Exons	3152..3217, 4945..5060, 5087..5170, 5229..5597, 7529..7617		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	36224	Seq. ID	OJ990518_06.9B05.C4
Gene No.	74608	Strand	+
Start	3152	End	7617
Name	OJ990518_06.9B05.C4.o2.gs	Method	GENSCAN
Start	4687	End	5206
GI	none	Score	.57
Exons	4687..4939, 5073..5206		

Seq. No.	36224	Seq. ID	OJ990518_06.9B05.C4
Gene No.	74609	Strand	-
Start	5441	End	7585
Name	OJ990518_06.9B05.C4.o3.gs	Method	GENSCAN
Start	5441	End	7585
GI	none	Score	.58
Exons	5441..5534, 5998..6133, 6242..6378, 7251..7585		

Seq. No.	36225	Seq. ID	OJ990518_06.9B05.C5
Gene No.	74610	Strand	-
Start	1976	End	5282
Name	OJ990518_06.9B05.C5.o2.gs	Method	GENSCAN
Start	1976	End	5282
GI	none	Score	.81
Exons	1976..2073, 2839..2962, 3363..3417, 3731..3866, 4208..4419, 4921..5282		

Seq. No.	36226	Seq. ID	OJ990518_06.9B05.C6
Gene No.	74611	Strand	+
Start	723	End	2223
Name	OJ990518_06.9B05.C6.o1.gs	Method	GENSCAN
Start	723	End	2223
GI	none	Score	.8
Exons	723..737, 1000..1235, 2007..2223		

Seq. No.	36227	Seq. ID	OJ990518_06.9B05.C7
Gene No.	74612	Strand	-
Start	651	End	946
Name	OJ990518_06.9B05.C7.o1.gs	Method	GENSCAN
Start	651	End	946
GI	none	Score	.73
Exons	651..946		

Seq. No.	36228	Seq. ID	OJ990518_06.9B05.C8
Gene No.	74613	Strand	+
Start	64	End	887
Name	OJ990518_06.9B05.C8.o1.gs	Method	GENSCAN
Start	64	End	887
GI	none	Score	.53
Exons	64..119, 863..887		

Seq. No.	36229	Seq. ID	OJ990518_06.9B05.C10
Gene No.	74614	Strand	+
Start	586	End	786
Name	OJ990518_06.9B05.C10.o1.gs	Method	GENSCAN
Start	586	End	786
GI	none	Score	.8
Exons	586..786		

Seq. No.	36230	Seq. ID	OJ990518_06.9B05.C12
Gene No.	74615	Strand	+
Start	1133	End	4448
Name	OJ990518_06.9B05.C12.o1.gs	Method	GENSCAN
Start	1133	End	4448
GI	none	Score	.58
Exons	1133..1183, 1501..1622, 1686..1810, 1912..2219, 3131..3304, 3460..3545, 3625..3886, 3977..4176, 4376..4448		

Seq. No.	36230	Seq. ID	OJ990518_06.9B05.C12
Gene No.	74616	Strand	
Start	4507	End	4872
Name	OJ990518_06.9B05.C12.o1.tm	Method	TBLASTX:Maize
Start	4507	End	4872
GI	none	Score	96
Exons	4507..4650, 4624..4689, 4677..4769, 4771..4872		

Seq. No.	36231	Seq. ID	OJ990518_06.9B05.C15
Gene No.	74617	Strand	-
Start	856	End	1397
Name	OJ990518_06.9B05.C15.o1.gs	Method	GENSCAN
Start	856	End	1397
GI	none	Score	.92
Exons	856..1060, 1324..1397		

Seq. No.	36232	Seq. ID	OJ990518_06.9B05.C16
Gene No.	74618	Strand	+
Start	389	End	2147
Name	OJ990518_06.9B05.C16.o1.np	Method	AAT/NAP
Start	389	End	2147
GI	5902448	Score	257
Exons	389..808, 2074..2147		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	36232	Seq. ID	OJ990518_06.9B05.C16
Gene No.	74619	Strand	+
Start	2257	End	9145
Name	OJ990518_06.9B05.C16.o2.gs	Method	GENSCAN
Start	2257	End	9145
GI	none	Score	.79
Exons	2257..2413, 2437..2710, 2870..3056, 3288..3395, 3667..3752, 3827..4088, 4202..4401, 5051..5293, 5399..5675, 5906..6040, 6161..6241, 6763..6852, 6944..7039, 7250..7318, 7437..7523, 7817..7918, 8013..8102, 8183..8263, 9044..9145		

Seq. No.	36232	Seq. ID	OJ990518_06.9B05.C16
Gene No.	74619	Strand	+
Start	2257	End	9145
Name	OJ990518_06.9B05.C16.o3.np	Method	AAT/NAP
Start	2957	End	5291
GI	5932532	Score	227
Exons	2957..3021, 4320..4401, 4799..5291		
GI Descrip.	(AC009465) unknown protein [Arabidopsis thaliana]		

Seq. No.	36232	Seq. ID	OJ990518_06.9B05.C16
Gene No.	74619	Strand	+
Start	2257	End	9145

Name	OJ990518_06.9B05.C16.o1.gp	Method	AAT/GAP
Start	5227	End	5945
GI	426342	Score	711
Exons	5227..5293, 5399..5675, 5906..5945		

Seq. No.	36232	Seq. ID	OJ990518_06.9B05.C16
Gene No.	74620	Strand	-
Start	1	End	2470
Name	OJ990518_06.9B05.C16.o2.np	Method	AAT/NAP
Start	1	End	2470
GI	5902445	Score	436
Exons	1..29, 774..1204, 2402..2470		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	36232	Seq. ID	OJ990518_06.9B05.C16
Gene No.	74620	Strand	-
Start	1	End	2470
Name	OJ990518_06.9B05.C16.o1.gs	Method	GENSCAN
Start	618	End	1807
GI	none	Score	.84
Exons	618..1049, 1347..1479, 1659..1807		

Seq. No.	36232	Seq. ID	OJ990518_06.9B05.C16
Gene No.	74620	Strand	-
Start	1	End	2470
Name	OJ990518_06.9B05.C16.o1.tw	Method	TBLASTX:Wheat
Start	783	End	1168
GI	none	Score	114
Exons	783..977, 784..966, 1008..1085, 1019..1168, 1020..1166		

Seq. No.	36232	Seq. ID	OJ990518_06.9B05.C16
Gene No.	74621	Strand	
Start	4884	End	5228
Name	OJ990518_06.9B05.C16.o1.tm	Method	TBLASTX:Maize
Start	4884	End	5228
GI	none	Score	103
Exons	4884..4976, 4895..4969, 4983..5228, 5010..5165		

Seq. No.	36233	Seq. ID	OJ990518_06.9B05.C17
Gene No.	74622	Strand	-
Start	1	End	341
Name	OJ990518_06.9B05.C17.o1.np	Method	AAT/NAP
Start	1	End	341
GI	4544462	Score	101
Exons	1..341		
GI Descrip.	(AC006580) NAM (no apical meristem)-like protein [Arabidopsis thaliana]		

Seq. No.	36233	Seq. ID	OJ990518_0 305.C17
Gene No.	74622	Strand	-
Start	1	End	341
Name	OJ990518_06.9B05.C17.o1.tm	Method	TBLASTX:Maize
Start	81	End	338
GI	none	Score	79
Exons	81..203, 82..192, 225..338		

Seq. No.	36234	Seq. ID	OJ990518_06.9B05.C22

Gene No.	74623	Strand	-
Start	12	End	1041
Name	OJ990518_06.9B05.C22.o1.gs	Method	GENSCAN
Start	12	End	1041
GI	none	Score	.65
Exons	12..174, 400..590, 705..855, 1034..1041		

Seq. No.	36234	Seq. ID	OJ990518_06.9B05.C22
Gene No.	74623	Strand	-
Start	12	End	1041
Name	OJ990518_06.9B05.C22.o1.np	Method	AAT/NAP
Start	444	End	870
GI	5932532	Score	189
Exons	444..870		
GI Descrip.	(AC009465) unknown protein [Arabidopsis thaliana]		

Seq. No.	36235	Seq. ID	OJ990518_06.9B05.C25
Gene No.	74624	Strand	-
Start	199	End	877
Name	OJ990518_06.9B05.C25.o1.gs	Method	GENSCAN
Start	199	End	877
GI	none	Score	.92
Exons	199..334, 666..877		

Seq. No.	36236	Seq. ID	OJ990518_06.9B05.C26
Gene No.	74625	Strand	-
Start	287	End	557
Name	OJ990518_06.9B05.C26.o1.gs	Method	GENSCAN
Start	287	End	557
GI	none	Score	.65
Exons	287..557		

Seq. No.	36237	Seq. ID	OJ990518_06.9B05.C29
Gene No.	74626	Strand	+
Start	120	End	319
Name	OJ990518_06.9B05.C29.o1.gs	Method	GENSCAN
Start	120	End	319
GI	none	Score	.59
Exons	120..183, 260..319		

Seq. No.	36238	Seq. ID	OJ990518_06.9B05.C34
Gene No.	74627	Strand	-
Start	486	End	603
Name	OJ990518_06.9B05.C34.o1.gs	Method	GENSCAN
Start	486	End	603
GI	none	Score	.51
Exons	486..603		

Seq. No.	36239	Seq. ID	OJ990518_06.9B05.C35
Gene No.	74628	Strand	-
Start	336	End	461
Name	OJ990518_06.9B05.C35.o1.gs	Method	GENSCAN
Start	336	End	461
GI	none	Score	.87
Exons	336..461		

Seq. No.	36240	Seq. ID	OJ990518_06.9B05.C37

Gene No.	74629	Strand	+
Start	1	End	485
Name	OJ990518_06.9B05.C37.o1.np	Method	AAT/NAP
Start	1	End	485
GI	4680341	Score	308
Exons	1..85, 112..195, 254..485		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	36240	Seq. ID	OJ990518_06.9B05.C37
Gene No.	74629	Strand	+
Start	1	End	485
Name	OJ990518_06.9B05.C37.o1.gs	Method	GENSCAN
Start	98	End	231
GI	none	Score	.68
Exons	98..231		

Seq. No.	36241	Seq. ID	OJ990518_06.9B05.C38
Gene No.	74630	Strand	+
Start	2640	End	2883
Name	OJ990518_06.9B05.C38.o1.gs	Method	GENSCAN
Start	2640	End	2883
GI	none	Score	.4
Exons	2640..2765, 2817..2883		

Seq. No.	36241	Seq. ID	OJ990518_06.9B05.C38
Gene No.	74631	Strand	-
Start	3652	End	3937
Name	OJ990518_06.9B05.C38.o2.gs	Method	GENSCAN
Start	3652	End	3937
GI	none	Score	.43
Exons	3652..3836, 3889..3937		

Seq. No.	36242	Seq. ID	OJ990518_06.9B05.C40
Gene No.	74632	Strand	+
Start	1	End	436
Name	OJ990518_06.9B05.C40.o1.np	Method	AAT/NAP
Start	1	End	436
GI	6907090	Score	144
Exons	1..436		
GI Descrip.	(AP001129) Similar to Oryza sativa root-specific RCc3 mRNA. (L27208)		

Seq. No.	36242	Seq. ID	OJ990518_06.9B05.C40
Gene No.	74633	Strand	+
Start	1009	End	1336
Name	OJ990518_06.9B05.C40.o2.np	Method	AAT/NAP
Start	1009	End	1336
GI	103076	Score	173
Exons	1009..1336		
GI Descrip.	Bkm-like sex-determining region hypothetical protein CS314 - fruit fly (Drosophila melanogaster) (fragment)		

Seq. No.	36243	Seq. ID	OJ990518_06.9B05.C41
Gene No.	74634	Strand	+
Start	7847	End	22550
Name	OJ990518_06.9B05.C41.o2.gs	Method	GENSCAN
Start	7847	End	9752

GI	none	Score	.97
Exons	7847..8042, 8211..8554, 9390..9752		

Seq. No.	36243	Seq. ID	OJ990518_06.9B05.C41
Gene No.	74634	Strand	+
Start	7847	End	22550
Name	OJ990518_06.9B05.C41.o1.np	Method	AAT/NAP
Start	7859	End	22550
GI	1418990	Score	279
Exons	7859..8035, 8210..8486, 22531..22550		
GI Descrip.	(Z75524) unknown [Lycopersicon esculentum]		

Seq. No.	36243	Seq. ID	OJ990518_06.9B05.C41
Gene No.	74634	Strand	+
Start	7847	End	22550
Name	OJ990518_06.9B05.C41.o1.tm	Method	TBLASTX:Maize
Start	8222	End	21351
GI	none	Score	111
Exons	8222..8335, 8236..8331, 8366..8479, 8368..8478, 14242..14346, 14373..14489, 14380..14493, 14380..14532, 21081..21212, 21087..21203, 21088..21213, 21246..21320, 21249..21332, 21250..21333, 21322..21351		

Seq. No.	36243	Seq. ID	OJ990518_06.9B05.C41
Gene No.	74634	Strand	+
Start	7847	End	22550
Name	OJ990518_06.9B05.C41.o1.gp	Method	AAT/GAP
Start	9689	End	9907
GI	2798094	Score	419
Exons	9689..9907		

Seq. No.	36243	Seq. ID	OJ990518_06.9B05.C41
Gene No.	74634	Strand	+
Start	7847	End	22550
Name	OJ990518_06.9B05.C41.o3.gs	Method	GENSCAN
Start	11605	End	12677
GI	none	Score	.59
Exons	11605..11626, 12595..12677		

Seq. No.	36243	Seq. ID	OJ990518_06.9B05.C41
Gene No.	74634	Strand	+
Start	7847	End	22550
Name	OJ990518_06.9B05.C41.o4.gs	Method	GENSCAN
Start	13878	End	15964
GI	none	Score	.8
Exons	13878..14052, 14184..14325, 14361..14565, 15650..15964		

Seq. No.	36243	Seq. ID	OJ990518_06.9B05.C41
Gene No.	74634	Strand	+
Start	7847	End	22550
Name	OJ990518_06.9B05.C41.o5.gs	Method	GENSCAN
Start	16777	End	18070
GI	none	Score	.84
Exons	16777..16941, 17115..17249, 17852..18070		

Seq. No.	36243	Seq. ID	OJ990518_06.9B05.C41
Gene No.	74634	Strand	+

Start	7847	End	22550
Name	OJ990518_06.9B05.C41.o6.gs	Method	GENSCAN
Start	18409	End	19527
GI	none	Score	.83
Exons	18409..18508, 19418..19527		

Seq. No.	36243	Seq. ID	OJ990518_06.9B05.C41
Gene No.	74634	Strand	+
Start	7847	End	22550
Name	OJ990518_06.9B05.C41.o7.gs	Method	GENSCAN
Start	20711	End	21377
GI	none	Score	.91
Exons	20711..20906, 21088..21377		

Seq. No.	36243	Seq. ID	OJ990518_06.9B05.C41
Gene No.	74634	Strand	+
Start	7847	End	22550
Name	OJ990518_06.9B05.C41.o2.np	Method	AAT/NAP
Start	20723	End	21333
GI	1418990	Score	174
Exons	20723..20899, 21087..21333		
GI Descrip.	(Z75524) unknown [Lycopersicon esculentum]		

Seq. No.	36244	Seq. ID	OJ990518_06.9B05.C43
Gene No.	74635	Strand	-
Start	3046	End	3206
Name	OJ990518_06.9B05.C43.o2.gs	Method	GENSCAN
Start	3046	End	3206
GI	none	Score	.62
Exons	3046..3206		

Seq. No.	36245	Seq. ID	OJ990518_06.9B05.C44
Gene No.	74636	Strand	+
Start	1740	End	2455
Name	OJ990518_06.9B05.C44.o2.np	Method	AAT/NAP
Start	1691	End	2455
GI	4544462	Score	180
Exons	1691..1887, 2085..2455		
GI Descrip.	(AC006580) NAM (no apical meristem)-like protein [Arabidopsis thaliana]		

Seq. No.	36245	Seq. ID	OJ990518_06.9B05.C44
Gene No.	74636	Strand	+
Start	1740	End	2455
Name	OJ990518_06.9B05.C44.o1.gs	Method	GENSCAN
Start	1740	End	1890
GI	none	Score	.54
Exons	1740..1890		

Seq. No.	36245	Seq. ID	OJ990518_06.9B05.C44
Gene No.	74636	Strand	+
Start	1740	End	2455
Name	OJ990518_06.9B05.C44.o1.tm	Method	TBLASTX:Maize
Start	2102	End	2359
GI	none	Score	106
Exons	2102..2215, 2116..2214, 2237..2359, 2237..2266, 2248..2358		

Seq. No.	36246	Seq. ID	OJ990518_06.9B05.C45
Gene No.	74637	Strand	+
Start	103	End	1150
Name	OJ990518_06.9B05.C45.o1.gs	Method	GENSCAN
Start	103	End	1150
GI	none	Score	.88
Exons	103..161, 739..1150		

Seq. No.	36246	Seq. ID	OJ990518_06.9B05.C45
Gene No.	74638	Strand	-
Start	1862	End	4917
Name	OJ990518_06.9B05.C45.o2.gs	Method	GENSCAN
Start	1862	End	4917
GI	none	Score	.47
Exons	1862..1909, 2016..2182, 2290..2455, 2538..2934, 4849..4917		

Seq. No.	36247	Seq. ID	OJ990518_06.9B05.C46
Gene No.	74639	Strand	+
Start	1244	End	1713
Name	OJ990518_06.9B05.C46.o1.gs	Method	GENSCAN
Start	1244	End	1713
GI	none	Score	.74
Exons	1244..1331, 1532..1713		

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74640	Strand	+
Start	2526	End	2861
Name	OJ990518_06.9B05.C47.o1.gs	Method	GENSCAN
Start	2526	End	2861
GI	none	Score	.97
Exons	2526..2861		

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74641	Strand	+
Start	2791	End	3370
Name	OJ990518_06.9B05.C47.o1.gp	Method	AAT/GAP
Start	2791	End	3370
GI	none	Score	713
Exons	2791..2894, 3040..3370		

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74642	Strand	-
Start	4363	End	15139
Name	OJ990518_06.9B05.C47.o2.gs	Method	GENSCAN
Start	4363	End	15055
GI	none	Score	.4
Exons	4363..4673, 5493..5660, 6863..6974, 7001..7024, 9149..9174, 11741..12287, 12318..12488, 12552..13086, 13108..13319, 13330..13446, 13591..13886, 14082..14719, 14922..15055		

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74642	Strand	-
Start	4363	End	15139
Name	OJ990518_06.9B05.C47.o1.np	Method	AAT/NAP
Start	11117	End	15139
GI	4512618	Score	1630
Exons	11117..11277, 11741..13590, 13778..14968, 15084..15139		

GI Descrip. (AC004793) Strong similarity to gi|3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb|AF080119 and is a member of the reverse transcriptase family PF|00078.

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74642	Strand	-
Start	4363	End	15139
Name	OJ990518_06.9B05.C47.o4.tm	Method	TBLASTX:Maize
Start	11781	End	12074
GI	none	Score	124
Exons	11781..12074, 11782..12069, 11790..12074		

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74642	Strand	-
Start	4363	End	15139
Name	OJ990518_06.9B05.C47.o1.ts	Method	TBLASTX:Soybean
Start	11784	End	12380
GI	none	Score	156
Exons	11784..12197, 11857..12186, 12225..12380, 12262..12375		

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74642	Strand	-
Start	4363	End	15139
Name	OJ990518_06.9B05.C47.o1.tm	Method	TBLASTX:Maize
Start	12075	End	12458
GI	none	Score	128
Exons	12075..12452, 12075..12458, 12091..12456		

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74642	Strand	-
Start	4363	End	15139
Name	OJ990518_06.9B05.C47.o1.tw	Method	TBLASTX:Wheat
Start	12144	End	12575
GI	none	Score	112
Exons	12144..12401, 12145..12402, 12414..12575, 12415..12567		

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74642	Strand	-
Start	4363	End	15139
Name	OJ990518_06.9B05.C47.o2.tm	Method	TBLASTX:Maize
Start	12510	End	12957
GI	none	Score	242
Exons	12510..12947, 12511..12957, 12513..12947		

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74642	Strand	-
Start	4363	End	15139
Name	OJ990518_06.9B05.C47.o3.tw	Method	TBLASTX:Wheat
Start	12744	End	13073
GI	none	Score	73
Exons	12744..13073, 12766..12930, 12994..13071		

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74642	Strand	-
Start	4363	End	15139
Name	OJ990518_06.9B05.C47.o2.ts	Method	TBLASTX:Soybean
Start	12759	End	13253

GI	5509260	Score	91
Exons	12759..13253, 12775..12930		
GI Descrip.	-		

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74642	Strand	-
Start	4363	End	15139
Name	OJ990518_06.9B05.C47.o2.tc	Method	TBLASTX:Cress
Start	12870	End	13145
GI	none	Score	219
Exons	12870..13145		

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74642	Strand	-
Start	4363	End	15139
Name	OJ990518_06.9B05.C47.o5.tm	Method	TBLASTX:Maize
Start	12963	End	13209
GI	none	Score	52
Exons	12963..13208, 12970..13032, 13017..13208, 13057..13209		

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74642	Strand	-
Start	4363	End	15139
Name	OJ990518_06.9B05.C47.o1.tc	Method	TBLASTX:Cress
Start	13780	End	14220
GI	none	Score	77
Exons	13780..14220, 13784..13924, 13952..14020		

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74642	Strand	-
Start	4363	End	15139
Name	OJ990518_06.9B05.C47.o2.tw	Method	TBLASTX:Wheat
Start	13792	End	14133
GI	none	Score	103
Exons	13792..14133, 13847..13993, 14042..14131		

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74642	Strand	-
Start	4363	End	15139
Name	OJ990518_06.9B05.C47.o3.ts	Method	TBLASTX:Soybean
Start	13798	End	14259
GI	none	Score	247
Exons	13798..14259		

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74642	Strand	-
Start	4363	End	15139
Name	OJ990518_06.9B05.C47.o3.tm	Method	TBLASTX:Maize
Start	13808	End	14265
GI	none	Score	207
Exons	13808..14206, 13810..14205, 14164..14265		

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74642	Strand	-
Start	4363	End	15139
Name	OJ990518_06.9B05.C47.o3.tc	Method	TBLASTX:Cress
Start	14359	End	14661

GI	none	Score	174
Exons	14359..14445, 14449..14661		

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74642	Strand	-
Start	4363	End	15139
Name	OJ990518_06.9B05.C47.o6.tm	Method	TBLASTX:Maize
Start	14380	End	14769
GI	none	Score	62
Exons	14380..14475, 14393..14497, 14497..14550, 14617..14655, 14683..14769		

Seq. No.	36248	Seq. ID	OJ990518_06.9B05.C47
Gene No.	74642	Strand	-
Start	4363	End	15139
Name	OJ990518_06.9B05.C47.o4.tw	Method	TBLASTX:Wheat
Start	14455	End	14904
GI	none	Score	79
Exons	14455..14547, 14456..14548, 14602..14643, 14634..14753, 14719..14904, 14738..14788		

Seq. No.	36249	Seq. ID	OJ990518_06.9B05.C48
Gene No.	74643	Strand	-
Start	68	End	494
Name	OJ990518_06.9B05.C48.o1.gs	Method	GENSCAN
Start	68	End	494
GI	none	Score	.79
Exons	68..494		

Seq. No.	36250	Seq. ID	OJ990518_06.9B05.C49
Gene No.	74644	Strand	-
Start	25	End	103
Name	OJ990518_06.9B05.C49.o1.gs	Method	GENSCAN
Start	25	End	103
GI	none	Score	.59
Exons	25..103		

Seq. No.	36251	Seq. ID	OJ990518_06.9B05.C50
Gene No.	74645	Strand	-
Start	359	End	558
Name	OJ990518_06.9B05.C50.o1.gs	Method	GENSCAN
Start	359	End	558
GI	none	Score	.92
Exons	359..558		

Seq. No.	36252	Seq. ID	OJ990518_06.9B05.C51
Gene No.	74646	Strand	-
Start	24	End	170
Name	OJ990518_06.9B05.C51.o1.gs	Method	GENSCAN
Start	24	End	170
GI	none	Score	.58
Exons	24..170		

Seq. No.	36253	Seq. ID	OJ990518_06.9B05.C53
Gene No.	74647	Strand	-
Start	660	End	770
Name	OJ990518_06.9B05.C53.o1.gs	Method	GENSCAN

Start	660	End	770
GI	none	Score	.71
Exons	660..770		

Seq. No.	36254	Seq. ID	OJ990518_06.9B05.C56
Gene No.	74648	Strand	+
Start	104	End	406
Name	OJ990518_06.9B05.C56.o1.gs	Method	GENSCAN
Start	104	End	406
GI	none	Score	.82
Exons	104..406		

Seq. No.	36255	Seq. ID	OJ990518_06.9B05.C58
Gene No.	74649	Strand	+
Start	59	End	181
Name	OJ990518_06.9B05.C58.o1.gs	Method	GENSCAN
Start	59	End	181
GI	none	Score	.9
Exons	59..181		

Seq. No.	36255	Seq. ID	OJ990518_06.9B05.C58
Gene No.	74650	Strand	+
Start	464	End	544
Name	OJ990518_06.9B05.C58.o1.gp	Method	AAT/GAP
Start	464	End	544
GI	LIB3434-017-P1-K1-F5	Score	88
Exons	464..544		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	36255	Seq. ID	OJ990518_06.9B05.C58
Gene No.	74651	Strand	-
Start	1	End	1147
Name	OJ990518_06.9B05.C58.o1.np	Method	AAT/NAP
Start	1	End	1147
GI	5295955	Score	196
Exons	1..237, 982..1147		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	36256	Seq. ID	OJ990518_06.9B05.C59
Gene No.	74652	Strand	+
Start	1	End	5218
Name	OJ990518_06.9B05.C59.o2.np	Method	AAT/NAP
Start	1	End	5218
GI	4557066	Score	160
Exons	1..24, 2362..2791, 3017..3059, 5186..5218		
GI Descrip.	(AC007045) putative retroelement gag/pol polyprotein [Arabidopsis thaliana]		

Seq. No.	36256	Seq. ID	OJ990518_06.9B05.C59
Gene No.	74652	Strand	+
Start	1	End	5218
Name	OJ990518_06.9B05.C59.o1.gp	Method	AAT/GAP
Start	800	End	912
GI	uC-osflcyp088b12b1	Score	151
Exons	800..912		

GI Descrip. '5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'

Seq. No.	36256	Seq. ID	OJ990518_06.9B05.C59
Gene No.	74653	Strand	-
Start	1	End	237
Name	OJ990518_06.9B05.C59.o1.np	Method	AAT/NAP
Start	1	End	237
GI	5295955	Score	151
Exons	1..69, 120..237		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	36256	Seq. ID	OJ990518_06.9B05.C59
Gene No.	74654	Strand	-
Start	6765	End	7158
Name	OJ990518_06.9B05.C59.o2.gp	Method	AAT/GAP
Start	6765	End	7158
GI	5004635	Score	705
Exons	6765..7158		

Seq. No.	36257	Seq. ID	OJ990518_06.9B05.C60
Gene No.	74655	Strand	+
Start	266	End	787
Name	OJ990518_06.9B05.C60.o1.gs	Method	GENSCAN
Start	266	End	787
GI	none	Score	.65
Exons	266..329, 606..787		

Seq. No.	36257	Seq. ID	OJ990518_06.9B05.C60
Gene No.	74656	Strand	-
Start	1	End	402
Name	OJ990518_06.9B05.C60.o1.gp	Method	AAT/GAP
Start	1	End	402
GI	5004635	Score	732
Exons	1..402		

Seq. No.	36257	Seq. ID	OJ990518_06.9B05.C60
Gene No.	74657	Strand	-
Start	2518	End	5417
Name	OJ990518_06.9B05.C60.o2.gs	Method	GENSCAN
Start	2518	End	5417
GI	none	Score	.72
Exons	2518..2619, 3037..3162, 3211..3300, 3393..3537, 4485..4564, 4951..5046, 5138..5227, 5322..5417		

Seq. No.	36258	Seq. ID	OJ990518_06.9B05.C61
Gene No.	74658	Strand	-
Start	154	End	868
Name	OJ990518_06.9B05.C61.o1.gs	Method	GENSCAN
Start	154	End	868
GI	none	Score	.59
Exons	154..234, 352..486, 706..868		

Seq. No.	36259	Seq. ID	OJ990518_06.9B05.C63
Gene No.	74659	Strand	-
Start	1	End	241

Name	OJ990518_06.9B05.C63.o1.np	Method	AAT/NAP
Start	1	End	241
GI	6815062	Score	116
Exons	1..241		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	36259	Seq. ID	OJ990518_06.9B05.C63
Gene No.	74659	Strand	-
Start	1	End	241
Name	OJ990518_06.9B05.C63.o1.gs	Method	GENSCAN
Start	115	End	154
GI	none	Score	.92
Exons	115..154		

Seq. No.	36260	Seq. ID	OJ990518_06.9B05.C68
Gene No.	74660	Strand	-
Start	1	End	1640
Name	OJ990518_06.9B05.C68.o1.np	Method	AAT/NAP
Start	1	End	1640
GI	6815062	Score	2106
Exons	1..285, 363..461, 543..888, 932..1137, 1230..1422, 1499..1640		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	36260	Seq. ID	OJ990518_06.9B05.C68
Gene No.	74660	Strand	-
Start	1	End	1640
Name	OJ990518_06.9B05.C68.o1.gs	Method	GENSCAN
Start	84	End	1385
GI	none	Score	.64
Exons	84..285, 363..461, 543..888, 932..1137, 1230..1385		

Seq. No.	36260	Seq. ID	OJ990518_06.9B05.C68
Gene No.	74660	Strand	-
Start	1	End	1640
Name	OJ990518_06.9B05.C68.o1.tm	Method	TBLASTX:Maize
Start	202	End	1640
GI	none	Score	67
Exons	202..300, 543..839, 931..957, 964..1131, 964..1131, 1212..1289, 1299..1340, 1393..1434, 1496..1639, 1503..1640		

Seq. No.	36261	Seq. ID	OJ990518_06.9B05.C69
Gene No.	74661	Strand	-
Start	1	End	1378
Name	OJ990518_06.9B05.C69.o1.np	Method	AAT/NAP
Start	1	End	1378
GI	6815062	Score	2422
Exons	1..1378		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	36261	Seq. ID	OJ990518_06.9B05.C69
Gene No.	74661	Strand	-

Start	1	End	1378
Name	OJ990518_06.9B05.C69.o1.tm	Method	TBLASTX:Maize
Start	794	End	1337
GI	none	Score	39
Exons	794..1159, 814..837, 870..1160, 1178..1333, 1212..1337		

Seq. No.	36262	Seq. ID	OJ990518_06.9B05.C70
Gene No.	74662	Strand	+
Start	21	End	178
Name	OJ990518_06.9B05.C70.o1.gs	Method	GENSCAN
Start	21	End	178
GI	none	Score	1
Exons	21..178		

Seq. No.	36262	Seq. ID	OJ990518_06.9B05.C70
Gene No.	74663	Strand	-
Start	27	End	248
Name	OJ990518_06.9B05.C70.o1.np	Method	AAT/NAP
Start	27	End	248
GI	6815062	Score	231
Exons	27..248		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	36263	Seq. ID	OJ990428_09.9B05.C1
Gene No.	74664	Strand	+
Start	1	End	213
Name	OJ990428_09.9B05.C1.o1.np	Method	AAT/NAP
Start	1	End	213
GI	1351666	Score	230
Exons	1..213		
GI Descrip.	PUTATIVE ATP-DEPENDENT RNA HELICASE C1F7.02C gi\|2130294\|pir\|\|S62574 hypothetical protein SPAC1F7.02c - fission yeast (Schizosaccharomyces pombe) gi\|1067204\|emb\|CAA91949.1\| (Z67998) probable ATP-dependent RNA helicase [Schizosaccharomyces pombe]		

Seq. No.	36263	Seq. ID	OJ990428_09.9B05.C1
Gene No.	74664	Strand	+
Start	1	End	213
Name	OJ990428_09.9B05.C1.o1.ts	Method	TBLASTX:Soybean
Start	24	End	213
GI	none	Score	90
Exons	24..203, 25..213, 27..71, 37..201, 138..212		

Seq. No.	36264	Seq. ID	OJ990428_09.9B05.C2
Gene No.	74665	Strand	-
Start	1	End	751
Name	OJ990428_09.9B05.C2.o1.gp	Method	AAT/GAP
Start	1	End	63
GI	none	Score	119
Exons	1..63		

Seq. No.	36264	Seq. ID	OJ990428_09.9B05.C2
Gene No.	74665	Strand	-
Start	1	End	751

Name	OJ990428_09.9B05.C2.o1.np	Method	AAT/NAP
Start	1	End	751
GI	4539301	Score	331
Exons	1..40, 145..751		
GI Descrip.	(AL049480) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	36264	Seq. ID	OJ990428_09.9B05.C2
Gene No.	74665	Strand	-
Start	1	End	751
Name	OJ990428_09.9B05.C2.o1.gs	Method	GENSCAN
Start	133	End	725
GI	none	Score	.93
Exons	133..591, 606..725		

Seq. No.	36264	Seq. ID	OJ990428_09.9B05.C2
Gene No.	74665	Strand	-
Start	1	End	751
Name	OJ990428_09.9B05.C2.o1.ts	Method	TBLASTX:Soybean
Start	151	End	725
GI	none	Score	48
Exons	151..546, 152..262, 338..547, 595..708, 597..725		

Seq. No.	36264	Seq. ID	OJ990428_09.9B05.C2
Gene No.	74665	Strand	-
Start	1	End	751
Name	OJ990428_09.9B05.C2.o1.tm	Method	TBLASTX:Maize
Start	187	End	547
GI	none	Score	108
Exons	187..297, 187..546, 188..547		

Seq. No.	36264	Seq. ID	OJ990428_09.9B05.C2
Gene No.	74665	Strand	-
Start	1	End	751
Name	OJ990428_09.9B05.C2.o1.tc	Method	TBLASTX:Cress
Start	238	End	547
GI	none	Score	118
Exons	238..543, 335..547		

Seq. No.	36264	Seq. ID	OJ990428_09.9B05.C2
Gene No.	74665	Strand	-
Start	1	End	751
Name	OJ990428_09.9B05.C2.o1.tw	Method	TBLASTX:Wheat
Start	322	End	544
GI	none	Score	109
Exons	322..543, 353..544		

Seq. No.	36264	Seq. ID	OJ990428_09.9B05.C2
Gene No.	74665	Strand	-
Start	1	End	751
Name	OJ990428_09.9B05.C2.o2.tm	Method	TBLASTX:Maize
Start	594	End	738
GI	none	Score	137
Exons	594..725, 595..738		

Seq. No.	36265	Seq. ID	OJ990428_09.9B05.C3
Gene No.	74666	Strand	+
Start	794	End	3495

Name	OJ990428_09.9B05.C3.o1.gs	Method	GENSCAN
Start	794	End	3422
GI	none	Score	.72
Exons	794..997, 1083..1224, 1332..1454, 1550..1634, 3253..3422		

Seq. No.	36265	Seq. ID	OJ990428_09.9B05.C3
Gene No.	74666	Strand	+
Start	794	End	3495
Name	OJ990428_09.9B05.C3.o1.np	Method	AAT/NAP
Start	999	End	3392
GI	4836900	Score	242
Exons	999..1224, 1332..1390, 1550..1634, 3253..3392		
GI Descrip.	(AC007369) Unknown protein [Arabidopsis thaliana]		

Seq. No.	36265	Seq. ID	OJ990428_09.9B05.C3
Gene No.	74666	Strand	+
Start	794	End	3495
Name	OJ990428_09.9B05.C3.o1.gp	Method	AAT/GAP
Start	1187	End	3495
GI	LIB3433-040-P1-K1-A1	Score	891
Exons	1187..1224, 1332..1454, 1550..1634, 3253..3495		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	36265	Seq. ID	OJ990428_09.9B05.C3
Gene No.	74667	Strand	+
Start	11047	End	12635
Name	OJ990428_09.9B05.C3.o2.np	Method	AAT/NAP
Start	11047	End	12635
GI	3128176	Score	250
Exons	11047..11392, 12368..12635		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	36265	Seq. ID	OJ990428_09.9B05.C3
Gene No.	74668	Strand	-
Start	3782	End	5741
Name	OJ990428_09.9B05.C3.o2.gs	Method	GENSCAN
Start	3782	End	5741
GI	none	Score	.67
Exons	3782..3845, 4026..4156, 4917..5024, 5673..5741		

Seq. No.	36265	Seq. ID	OJ990428_09.9B05.C3
Gene No.	74669	Strand	-
Start	8911	End	10029
Name	OJ990428_09.9B05.C3.o3.gs	Method	GENSCAN
Start	8911	End	10029
GI	none	Score	.5
Exons	8911..9042, 9602..9624, 9936..10029		

Seq. No.	36265	Seq. ID	OJ990428_09.9B05.C3
Gene No.	74670	Strand	
Start	11146	End	11403
Name	OJ990428_09.9B05.C3.o1.tc	Method	TBLASTX:Cress
Start	11146	End	11403
GI	none	Score	66
Exons	11146..11220, 11208..11372, 11209..11403		

Seq. No.	36265	Seq. ID	OJ990428_09.9B05.C3
Gene No.	74670	Strand	
Start	11146	End	11403
Name	OJ990428_09.9B05.C3.o1.ts	Method	TBLASTX:Soybean
Start	11146	End	11403
GI	none	Score	62
Exons	11146..11205, 11208..11360, 11209..11403		

Seq. No.	36265	Seq. ID	OJ990428_09.9B05.C3
Gene No.	74670	Strand	
Start	11146	End	11403
Name	OJ990428_09.9B05.C3.o1.tw	Method	TBLASTX:Wheat
Start	11146	End	11393
GI	none	Score	82
Exons	11146..11220, 11212..11391, 11214..11393		

Seq. No.	36265	Seq. ID	OJ990428_09.9B05.C3
Gene No.	74670	Strand	
Start	11146	End	11403
Name	OJ990428_09.9B05.C3.o1.tm	Method	TBLASTX:Maize
Start	11146	End	11393
GI	none	Score	285
Exons	11146..11391, 11175..11393		

Seq. No.	36266	Seq. ID	OJ990428_09.9B05.C4
Gene No.	74671	Strand	-
Start	3930	End	7602
Name	OJ990428_09.9B05.C4.o1.tm	Method	TBLASTX:Maize
Start	3789	End	5964
GI	none	Score	35
Exons	3789..3824, 3900..3968, 3914..3961, 3964..4062, 3964..4062, 3965..4063, 3966..4064, 5487..5555, 5488..5556, 5489..5557, 5654..5767, 5656..5766, 5666..5767, 5667..5792, 5840..5962, 5841..5963, 5841..5963, 5842..5964		

Seq. No.	36266	Seq. ID	OJ990428_09.9B05.C4
Gene No.	74671	Strand	-
Start	3930	End	7602
Name	OJ990428_09.9B05.C4.o1.np	Method	AAT/NAP
Start	3930	End	7602
GI	2827552	Score	172
Exons	3930..4061, 5490..5611, 5665..5754, 7563..7602		
GI Descrip.	(AL021635) predicted protein [Arabidopsis thaliana]		

Seq. No.	36266	Seq. ID	OJ990428_09.9B05.C4
Gene No.	74671	Strand	-
Start	3930	End	7602
Name	OJ990428_09.9B05.C4.o1.ts	Method	TBLASTX:Soybean
Start	5678	End	5964
GI	none	Score	79
Exons	5678..5767, 5679..5792, 5841..5963, 5842..5964		

Seq. No.	36266	Seq. ID	OJ990428_09.9B05.C4
Gene No.	74671	Strand	-
Start	3930	End	7602
Name	OJ990428_09.9B05.C4.o2.gs	Method	GENSCAN
Start	7269	End	7286

GI	none	Score	.81
Exons	7269..7286		

Seq. No.	36267	Seq. ID	OJ990428_09.9B05.C5
Gene No.	74672	Strand	+
Start	2242	End	10805
Name	OJ990428_09.9B05.C5.o1.gs	Method	GENSCAN
Start	2242	End	10805
GI	none	Score	.79
Exons	2242..2653, 6144..6244, 6256..6504, 6866..6951, 7359..7425, 7867..8902, 8999..9511, 10413..10601, 10672..10805		

Seq. No.	36267	Seq. ID	OJ990428_09.9B05.C5
Gene No.	74672	Strand	+
Start	2242	End	10805
Name	OJ990428_09.9B05.C5.o3.np	Method	AAT/NAP
Start	4822	End	10805
GI	4914342	Score	1710
Exons	4822..4874, 6303..6418, 7303..7431, 7867..8902, 8999..9511, 10413..10601, 10672..10805		
GI Descrip.	(AC005489) F14N23.28 [Arabidopsis thaliana]		

Seq. No.	36267	Seq. ID	OJ990428_09.9B05.C5
Gene No.	74672	Strand	+
Start	2242	End	10805
Name	OJ990428_09.9B05.C5.o2.np	Method	AAT/NAP
Start	4925	End	8729
GI	6721547	Score	87
Exons	4925..5014, 8699..8729		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	36267	Seq. ID	OJ990428_09.9B05.C5
Gene No.	74672	Strand	+
Start	2242	End	10805
Name	OJ990428_09.9B05.C5.o2.gp	Method	AAT/GAP
Start	9116	End	9508
GI	LIB3432-048-P2-K1-A8	Score	732
Exons	9116..9508		
GI Descrip.	'4914342/gb\|AAD32890.1\|AC005489_28 3.0e-32 (AC005489) F14N23.28 [Arabidopsis thaliana]'		

Seq. No.	36267	Seq. ID	OJ990428_09.9B05.C5
Gene No.	74673	Strand	-
Start	1	End	9268
Name	OJ990428_09.9B05.C5.o1.np	Method	AAT/NAP
Start	1	End	8783
GI	2827552	Score	467
Exons	1..118, 764..855, 959..1202, 2261..2473, 8718..8783		
GI Descrip.	(AL021635) predicted protein [Arabidopsis thaliana]		

Seq. No.	36267	Seq. ID	OJ990428_09.9B05.C5
Gene No.	74673	Strand	-
Start	1	End	9268
Name	OJ990428_09.9B05.C5.o3.tm	Method	TBLASTX:Maize
Start	765	End	2481
GI	none	Score	143
Exons	765..854, 765..854, 766..855, 941..1201, 945..1202, 957..1223,		

958..1203, 2253..2468, 2300..2473, 2405..2473, 2422..2481

Seq. No.	36267	Seq. ID	OJ990428_09.9B05.C5
Gene No.	74673	Strand	-
Start	1	End	9268
Name	OJ990428_09.9B05.C5.o1.ts	Method	TBLASTX:Soybean
Start	815	End	1223
GI	none	Score	52
Exons	815..856, 815..853, 957..1022, 958..1014, 1071..1223, 1072..1203		

Seq. No.	36267	Seq. ID	OJ990428_09.9B05.C5
Gene No.	74673	Strand	-
Start	1	End	9268
Name	OJ990428_09.9B05.C5.o1.gp	Method	AAT/GAP
Start	1097	End	2643
GI	43967_1.R1084	Score	942
Exons	1097..1202, 2261..2643		
GI Descrip.	'2827552/emb\|CAA16560\| 5.0e-25 (AL021635) predicted protein [Arabidopsis thaliana]'		

Seq. No.	36267	Seq. ID	OJ990428_09.9B05.C5
Gene No.	74673	Strand	-
Start	1	End	9268
Name	OJ990428_09.9B05.C5.o3.tc	Method	TBLASTX:Cress
Start	1101	End	2461
GI	none	Score	111
Exons	1101..1223, 1105..1197, 2253..2459, 2309..2461		

Seq. No.	36267	Seq. ID	OJ990428_09.9B05.C5
Gene No.	74673	Strand	-
Start	1	End	9268
Name	OJ990428_09.9B05.C5.o3.ts	Method	TBLASTX:Soybean
Start	2286	End	2461
GI	none	Score	116
Exons	2286..2459, 2300..2461		

Seq. No.	36267	Seq. ID	OJ990428_09.9B05.C5
Gene No.	74673	Strand	-
Start	1	End	9268
Name	OJ990428_09.9B05.C5.o2.tc	Method	TBLASTX:Cress
Start	8036	End	8384
GI	none	Score	291
Exons	8036..8344, 8203..8331, 8349..8384		

Seq. No.	36267	Seq. ID	OJ990428_09.9B05.C5
Gene No.	74673	Strand	-
Start	1	End	9268
Name	OJ990428_09.9B05.C5.o2.tm	Method	TBLASTX:Maize
Start	8095	End	8563
GI	none	Score	391
Exons	8095..8553, 8111..8563, 8114..8554, 8185..8559		

Seq. No.	36267	Seq. ID	OJ990428_09.9B05.C5
Gene No.	74673	Strand	-
Start	1	End	9268
Name	OJ990428_09.9B05.C5.o1.tm	Method	TBLASTX:Maize
Start	8648	End	9268

GI	none	Score	264
Exons	8648..8851, 8655..8885, 8655..8837, 8665..8841, 8834..8911, 8841..8903, 8990..9268, 8990..9145, 8997..9215, 8998..9267		
Seq. No.	36267	Seq. ID	OJ990428_09.9B05.C5
Gene No.	74673	Strand	-
Start	1	End	9268
Name	OJ990428_09.9B05.C5.o2.ts	Method	TBLASTX:Soybean
Start	8855	End	9232
GI	none	Score	53
Exons	8855..8911, 8868..8903, 8987..9232, 8990..9154, 8998..9231		
Seq. No.	36267	Seq. ID	OJ990428_09.9B05.C5
Gene No.	74674	Strand	
Start	9283	End	10806
Name	OJ990428_09.9B05.C5.o1.tc	Method	TBLASTX:Cress
Start	9283	End	10740
GI	none	Score	256
Exons	9283..9504, 9284..9511, 10401..10604, 10406..10609, 10406..10603, 10669..10698, 10669..10695, 10693..10740		
Seq. No.	36267	Seq. ID	OJ990428_09.9B05.C5
Gene No.	74674	Strand	
Start	9283	End	10806
Name	OJ990428_09.9B05.C5.o4.ts	Method	TBLASTX:Soybean
Start	9328	End	10480
GI	none	Score	222
Exons	9328..9513, 9329..9511, 10404..10478, 10421..10480		
Seq. No.	36267	Seq. ID	OJ990428_09.9B05.C5
Gene No.	74674	Strand	
Start	9283	End	10806
Name	OJ990428_09.9B05.C5.o4.tm	Method	TBLASTX:Maize
Start	10413	End	10806
GI	none	Score	233
Exons	10413..10601, 10443..10601, 10444..10677, 10669..10806, 10671..10805		
Seq. No.	36268	Seq. ID	OJ990428_09.9B05.C6
Gene No.	74675	Strand	+
Start	1	End	3431
Name	OJ990428_09.9B05.C6.o1.np	Method	AAT/NAP
Start	1	End	844
GI	4914342	Score	272
Exons	1..154, 225..358, 706..844		
GI Descrip.	(AC005489) F14N23.28 [Arabidopsis thaliana]		
Seq. No.	36268	Seq. ID	OJ990428_09.9B05.C6
Gene No.	74675	Strand	+
Start	1	End	3431
Name	OJ990428_09.9B05.C6.o2.tc	Method	TBLASTX:Cress
Start	43	End	293
GI	none	Score	171
Exons	43..156, 44..157, 222..251, 222..248, 246..293		
Seq. No.	36268	Seq. ID	OJ990428_09.9B05.C6
Gene No.	74675	Strand	+

Start	1	End	3431
Name	OJ990428_09.9B05.C6.o2.tm	Method	TBLASTX:Maize
Start	44	End	890
GI	none	Score	175
Exons	44..154, 50..154, 57..230, 222..359, 224..358, 654..740, 707..769, 707..769, 766..876, 776..889, 777..890		

Seq. No.	36268	Seq. ID	OJ990428_09.9B05.C6
Gene No.	74675	Strand	+
Start	1	End	3431
Name	OJ990428_09.9B05.C6.o1.gs	Method	GENSCAN
Start	50	End	3271
GI	none	Score	.72
Exons	50..154, 225..358, 706..799, 2540..3271		

Seq. No.	36268	Seq. ID	OJ990428_09.9B05.C6
Gene No.	74675	Strand	+
Start	1	End	3431
Name	OJ990428_09.9B05.C6.o1.gp	Method	AAT/GAP
Start	2576	End	3431
GI	873_1.R1084	Score	1672
Exons	2576..3431		
GI Descrip.	'3293559 1.0e-103 (AF072694) germin-like protein 7 [Oryza sativa]'		

Seq. No.	36268	Seq. ID	OJ990428_09.9B05.C6
Gene No.	74675	Strand	+
Start	1	End	3431
Name	OJ990428_09.9B05.C6.o2.np	Method	AAT/NAP
Start	2606	End	3268
GI	3293559	Score	1128
Exons	2606..3268		
GI Descrip.	(AF072694) germin-like protein 7 [Oryza sativa]		

Seq. No.	36268	Seq. ID	OJ990428_09.9B05.C6
Gene No.	74675	Strand	+
Start	1	End	3431
Name	OJ990428_09.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	2609	End	3100
GI	none	Score	79
Exons	2609..2710, 2660..2722, 2729..3100, 2743..3099		

Seq. No.	36268	Seq. ID	OJ990428_09.9B05.C6
Gene No.	74675	Strand	+
Start	1	End	3431
Name	OJ990428_09.9B05.C6.o1.tc	Method	TBLASTX:Cress
Start	2669	End	3262
GI	none	Score	48
Exons	2669..2704, 2726..2767, 2836..3261, 2837..3229, 3050..3262		

Seq. No.	36268	Seq. ID	OJ990428_09.9B05.C6
Gene No.	74675	Strand	+
Start	1	End	3431
Name	OJ990428_09.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	2669	End	3261
GI	none	Score	57
Exons	2669..2707, 2746..3015, 2747..3226, 3046..3261		

Seq. No.	36268	Seq. ID	OJ990428_09.9B05.C6
Gene No.	74675	Strand	+
Start	1	End	3431
Name	OJ990428_09.9B05.C6.o1.tw	Method	TBLASTX:Wheat
Start	2677	End	2986
GI	none	Score	152
Exons	2677..2781, 2678..2830, 2819..2968, 2824..2967, 2834..2968, 2969..2986		

Seq. No.	36268	Seq. ID	OJ990428_09.9B05.C6
Gene No.	74675	Strand	+
Start	1	End	3431
Name	OJ990428_09.9B05.C6.o2.tw	Method	TBLASTX:Wheat
Start	2992	End	3241
GI	none	Score	194
Exons	2992..3240, 2996..3241		

Seq. No.	36269	Seq. ID	OJ990428_09.9B05.C7
Gene No.	74676	Strand	+
Start	193	End	304
Name	OJ990428_09.9B05.C7.o1.gs	Method	GENSCAN
Start	193	End	304
GI	none	Score	.65
Exons	193..304		

Seq. No.	36270	Seq. ID	OJ990428_09.9B05.C8
Gene No.	74677	Strand	+
Start	184	End	841
Name	OJ990428_09.9B05.C8.o1.gs	Method	GENSCAN
Start	184	End	841
GI	none	Score	.54
Exons	184..841		

Seq. No.	36270	Seq. ID	OJ990428_09.9B05.C8
Gene No.	74678	Strand	-
Start	697	End	1274
Name	OJ990428_09.9B05.C8.o1.gp	Method	AAT/GAP
Start	697	End	1274
GI	none	Score	1081
Exons	697..1274		

Seq. No.	36270	Seq. ID	OJ990428_09.9B05.C8
Gene No.	74679	Strand	-
Start	1717	End	1819
Name	OJ990428_09.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	179	End	816
GI	none	Score	151
Exons	179..325, 182..325, 187..591, 345..392, 377..706, 381..659, 425..685, 668..811, 757..816		

Seq. No.	36270	Seq. ID	OJ990428_09.9B05.C8
Gene No.	74679	Strand	-
Start	1717	End	1819
Name	OJ990428_09.9B05.C8.o2.gs	Method	GENSCAN
Start	1717	End	1819
GI	none	Score	.98

Exons	1717..1819		
Seq. No.	36271	Seq. ID	OJ990428_09.9B05.C9
Gene No.	74680	Strand	+
Start	237	End	560
Name	OJ990428_09.9B05.C9.o1.gs	Method	GENSCAN
Start	237	End	560
GI	none	Score	.74
Exons	237..291, 381..560		
Seq. No.	36272	Seq. ID	OJ990428_09.9B05.C10
Gene No.	74681	Strand	+
Start	1	End	948
Name	OJ990428_09.9B05.C10.o1.np	Method	AAT/NAP
Start	1	End	945
GI	5882743	Score	662
Exons	1..72, 184..471, 564..692, 772..945		
GI Descrip.	(AC008263) ESTs gb\|H36134 and gb\|H36132 come from this gene. [Arabidopsis thaliana]		
Seq. No.	36272	Seq. ID	OJ990428_09.9B05.C10
Gene No.	74681	Strand	+
Start	1	End	948
Name	OJ990428_09.9B05.C10.o1.tm	Method	TBLASTX:Maize
Start	180	End	945
GI	none	Score	124
Exons	180..419, 183..479, 184..480, 433..498, 548..694, 564..695, 772..945, 787..945		
Seq. No.	36272	Seq. ID	OJ990428_09.9B05.C10
Gene No.	74681	Strand	+
Start	1	End	948
Name	OJ990428_09.9B05.C10.o1.tw	Method	TBLASTX:Wheat
Start	183	End	336
GI	none	Score	180
Exons	183..335, 184..336		
Seq. No.	36272	Seq. ID	OJ990428_09.9B05.C10
Gene No.	74681	Strand	+
Start	1	End	948
Name	OJ990428_09.9B05.C10.o1.ts	Method	TBLASTX:Soybean
Start	193	End	476
GI	none	Score	280
Exons	193..450, 198..476, 421..471		
Seq. No.	36272	Seq. ID	OJ990428_09.9B05.C10
Gene No.	74681	Strand	+
Start	1	End	948
Name	OJ990428_09.9B05.C10.o1.gs	Method	GENSCAN
Start	292	End	945
GI	none	Score	.76
Exons	292..471, 564..692, 772..945		
Seq. No.	36272	Seq. ID	OJ990428_09.9B05.C10
Gene No.	74681	Strand	+
Start	1	End	948
Name	OJ990428_09.9B05.C10.o1.tc	Method	TBLASTX:Cress

Start	433	End	948
GI	none	Score	51
Exons	433..471, 435..467, 564..695,	569..694,	772..945, 772..948

Seq. No.	36272	Seq. ID	OJ990428_09.9B05.C10
Gene No.	74681	Strand	+
Start	1	End	948
Name	OJ990428_09.9B05.C10.o2.ts	Method	TBLASTX:Soybean
Start	564	End	840
GI	none	Score	200
Exons	564..695, 569..694, 571..699,	772..840,	772..828

Seq. No.	36273	Seq. ID	OJ990428_09.9B05.C11
Gene No.	74682	Strand	+
Start	1	End	2308
Name	OJ990428_09.9B05.C11.o1.np	Method	AAT/NAP
Start	1	End	2034
GI	5882743	Score	581
Exons	1..287, 1458..1565, 1831..2034		
GI Descrip.	(AC008263) ESTs gb\|H36134 and gb\|H36132 come from this gene. [Arabidopsis thaliana]		

Seq. No.	36273	Seq. ID	OJ990428_09.9B05.C11
Gene No.	74682	Strand	+
Start	1	End	2308
Name	OJ990428_09.9B05.C11.o1.gs	Method	GENSCAN
Start	114	End	2308
GI	none	Score	.74
Exons	114..287, 1458..1565, 1831..1862,	2200..2308	

Seq. No.	36273	Seq. ID	OJ990428_09.9B05.C11
Gene No.	74683	Strand	+
Start	2436	End	14124
Name	OJ990428_09.9B05.C11.o2.tm	Method	TBLASTX:Maize
Start	113	End	2192
GI	none	Score	256
Exons	113..289, 114..287, 118..288, 120..290, 1420..1563, 1455..1565, 1457..1564, 1457..1567, 1825..2052, 1830..2045, 1831..2052, 1836..2063, 2157..2192		

Seq. No.	36273	Seq. ID	OJ990428_09.9B05.C11
Gene No.	74683	Strand	+
Start	2436	End	14124
Name	OJ990428_09.9B05.C11.o2.tc	Method	TBLASTX:Cress
Start	114	End	1543
GI	none	Score	209
Exons	114..287, 114..290, 1455..1505, 1455..1508, 1457..1537, 1457..1543		

Seq. No.	36273	Seq. ID	OJ990428_09.9B05.C11
Gene No.	74683	Strand	+
Start	2436	End	14124
Name	OJ990428_09.9B05.C11.o2.ts	Method	TBLASTX:Soybean
Start	114	End	1505
GI	none	Score	100
Exons	114..200, 177..287, 227..289,	1455..1505	

Seq. No.	36273	Seq. ID	OJ990428_09.9B05.C11
Gene No.	74683	Strand	+
Start	2436	End	14124
Name	OJ990428_09.9B05.C11.o1.tc	Method	TBLASTX:Cress
Start	1825	End	2037
GI	none	Score	289
Exons	1825..2004, 1834..2004, 1835..2005, 2008..2037		

Seq. No.	36273	Seq. ID	OJ990428_09.9B05.C11
Gene No.	74683	Strand	+
Start	2436	End	14124
Name	OJ990428_09.9B05.C11.o1.ts	Method	TBLASTX:Soybean
Start	1825	End	2005
GI	none	Score	284
Exons	1825..2004, 1830..2003, 1835..2005		

Seq. No.	36273	Seq. ID	OJ990428_09.9B05.C11
Gene No.	74683	Strand	+
Start	2436	End	14124
Name	OJ990428_09.9B05.C11.o2.np	Method	AAT/NAP
Start	2436	End	7746
GI	4455303	Score	422
Exons	2436..2521, 4718..4932, 5053..5277, 6193..6527, 6686..6756, 6803..6960, 6988..7346, 7633..7746		
GI Descrip.	(AL035528) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36273	Seq. ID	OJ990428_09.9B05.C11
Gene No.	74683	Strand	+
Start	2436	End	14124
Name	OJ990428_09.9B05.C11.o2.gs	Method	GENSCAN
Start	3444	End	14005
GI	none	Score	.73
Exons	3444..3921, 4225..4358, 4498..5277, 6193..6507, 6711..7322, 7618..7722, 9851..9977, 10248..11953, 12064..12281, 12472..14005		

Seq. No.	36273	Seq. ID	OJ990428_09.9B05.C11
Gene No.	74683	Strand	+
Start	2436	End	14124
Name	OJ990428_09.9B05.C11.o3.tm	Method	TBLASTX:Maize
Start	6483	End	6896
GI	none	Score	66
Exons	6483..6530, 6483..6524, 6685..6894, 6686..6895, 6687..6896, 6689..6895		

Seq. No.	36273	Seq. ID	OJ990428_09.9B05.C11
Gene No.	74683	Strand	+
Start	2436	End	14124
Name	OJ990428_09.9B05.C11.o3.np	Method	AAT/NAP
Start	9836	End	14124
GI	4455304	Score	2285
Exons	9836..9997, 10225..11953, 12064..12281, 12478..14124		
GI Descrip.	(AL035528) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36273	Seq. ID	OJ990428_09.9B05.C11
Gene No.	74683	Strand	+
Start	2436	End	14124
Name	OJ990428_09.9B05.C11.o1.tm	Method	TBLASTX:Maize

Start	13636	End	14122
GI	none	Score	155
Exons	13636..13767, 13643..13765, 13760..14056, 13762..14115, 13763..14122		

Seq. No.	36274	Seq. ID	OJ990428_09.9B05.C12
Gene No.	74684	Strand	+
Start	1	End	3065
Name	OJ990428_09.9B05.C12.o1.np	Method	AAT/NAP
Start	1	End	3065
GI	4455304	Score	733
Exons	1..195, 394..711, 1474..1731, 2063..2305, 2405..2468, 2502..3065		
GI Descrip.	(AL035528) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36274	Seq. ID	OJ990428_09.9B05.C12
Gene No.	74684	Strand	+
Start	1	End	3065
Name	OJ990428_09.9B05.C12.o1.gs	Method	GENSCAN
Start	68	End	2922
GI	none	Score	.89
Exons	68..195, 394..711, 1474..1731, 2063..2922		

Seq. No.	36274	Seq. ID	OJ990428_09.9B05.C12
Gene No.	74684	Strand	+
Start	1	End	3065
Name	OJ990428_09.9B05.C12.o2.tm	Method	TBLASTX:Maize
Start	2058	End	2293
GI	none	Score	126
Exons	2058..2273, 2070..2288, 2071..2292, 2072..2293		

Seq. No.	36274	Seq. ID	OJ990428_09.9B05.C12
Gene No.	74684	Strand	+
Start	1	End	3065
Name	OJ990428_09.9B05.C12.o1.tm	Method	TBLASTX:Maize
Start	2396	End	3001
GI	none	Score	85
Exons	2396..2539, 2398..2538, 2399..2539, 2422..2544, 2547..2717, 2558..2752, 2564..2722, 2598..2741, 2733..2813, 2733..2813, 2735..2815, 2735..2815, 2750..2794, 2750..2794, 2753..2815, 2848..3000, 2849..3001		

Seq. No.	36274	Seq. ID	OJ990428_09.9B05.C12
Gene No.	74684	Strand	+
Start	1	End	3065
Name	OJ990428_09.9B05.C12.o1.gp	Method	AAT/GAP
Start	2582	End	2853
GI	4878418	Score	532
Exons	2582..2853		

Seq. No.	36275	Seq. ID	OJ990428_09.9B05.C13
Gene No.	74685	Strand	+
Start	484	End	5041
Name	OJ990428_09.9B05.C13.o1.np	Method	AAT/NAP
Start	484	End	4565
GI	5882743	Score	1505
Exons	484..515, 2107..2318, 2346..2561, 2692..2924, 3024..3311, 3394..3522, 3614..3787, 4157..4264, 4359..4565		

GI Descrip. (AC008263) ESTs gb|H36134 and gb|H36132 come from this gene. [Arabidopsis thaliana]

Seq. No.	36275	Seq. ID	OJ990428_09.9B05.C13
Gene No.	74685	Strand	+
Start	484	End	5041
Name	OJ990428_09.9B05.C13.o1.gs	Method	GENSCAN
Start	1748	End	5041
GI	none	Score	.91
Exons	1748..2561, 2692..2924, 3132..3311, 3316..3522, 3614..3787, 4157..4264, 4359..4564, 4951..5041		

Seq. No.	36275	Seq. ID	OJ990428_09.9B05.C13
Gene No.	74685	Strand	+
Start	484	End	5041
Name	OJ990428_09.9B05.C13.o1.gp	Method	AAT/GAP
Start	2758	End	3476
GI	LIB3479-012-Q6-K1-G11	Score	921
Exons	2758..2924, 3024..3311, 3394..3476		

GI Descrip. '5882743/gb|AAD55296.1|AC008263_27 2.0e-60 (AC008263) ESTs gb_H36134 and gb_H36132 come from this gene. [Arabidopsis thaliana]'

Seq. No.	36275	Seq. ID	OJ990428_09.9B05.C13
Gene No.	74686	Strand	+
Start	5914	End	8452
Name	OJ990428_09.9B05.C13.o1.ts	Method	TBLASTX:Soybean
Start	2242	End	3106
GI	none	Score	54
Exons	2242..2559, 2246..2287, 2345..2560, 2688..2924, 2690..2923, 3023..3106, 3024..3104		

Seq. No.	36275	Seq. ID	OJ990428_09.9B05.C13
Gene No.	74686	Strand	+
Start	5914	End	8452
Name	OJ990428_09.9B05.C13.o3.tm	Method	TBLASTX:Maize
Start	2348	End	2747
GI	none	Score	289
Exons	2348..2560, 2359..2559, 2688..2747		

Seq. No.	36275	Seq. ID	OJ990428_09.9B05.C13
Gene No.	74686	Strand	+
Start	5914	End	8452
Name	OJ990428_09.9B05.C13.o3.tc	Method	TBLASTX:Cress
Start	2706	End	2924
GI	none	Score	272
Exons	2706..2924, 2708..2923, 2766..2924		

Seq. No.	36275	Seq. ID	OJ990428_09.9B05.C13
Gene No.	74686	Strand	+
Start	5914	End	8452
Name	OJ990428_09.9B05.C13.o1.tw	Method	TBLASTX:Wheat
Start	2724	End	3176
GI	none	Score	36
Exons	2724..2771, 2793..2924, 2798..2923, 2815..2925, 3023..3175, 3024..3176, 3024..3176		

Seq. No.	36275	Seq. ID	OJ990428_09.9B05.C13
Gene No.	74686	Strand	+
Start	5914	End	8452
Name	OJ990428_09.9B05.C13.o2.tm	Method	TBLASTX:Maize
Start	2750	End	4382
GI	none	Score	167
Exons	2750..2920, 2751..2921, 3023..3259, 3024..3260, 3030..3260, 3273..3311, 3390..3536, 3394..3537, 3403..3537, 3614..3787, 3635..3772, 4154..4267, 4156..4266, 4353..4382		

Seq. No.	36275	Seq. ID	OJ990428_09.9B05.C13
Gene No.	74686	Strand	+
Start	5914	End	8452
Name	OJ990428_09.9B05.C13.o5.ts	Method	TBLASTX:Soybean
Start	3107	End	3317
GI	none	Score	211
Exons	3107..3259, 3108..3260, 3108..3260, 3273..3317		

Seq. No.	36275	Seq. ID	OJ990428_09.9B05.C13
Gene No.	74686	Strand	+
Start	5914	End	8452
Name	OJ990428_09.9B05.C13.o1.tc	Method	TBLASTX:Cress
Start	3273	End	4249
GI	none	Score	51
Exons	3273..3311, 3275..3307, 3276..3323, 3394..3525, 3409..3525, 3446..3529, 3613..3777, 3614..3787, 3788..3814, 4151..4249		

Seq. No.	36275	Seq. ID	OJ990428_09.9B05.C13
Gene No.	74686	Strand	+
Start	5914	End	8452
Name	OJ990428_09.9B05.C13.o2.ts	Method	TBLASTX:Soybean
Start	3626	End	4582
GI	none	Score	185
Exons	3626..3787, 4150..4239, 4151..4267, 4353..4568, 4354..4557, 4355..4582, 4358..4567		

Seq. No.	36275	Seq. ID	OJ990428_09.9B05.C13
Gene No.	74686	Strand	+
Start	5914	End	8452
Name	OJ990428_09.9B05.C13.o4.tm	Method	TBLASTX:Maize
Start	4346	End	4568
GI	none	Score	188
Exons	4346..4507, 4383..4508, 4384..4509, 4508..4567, 4509..4568		

Seq. No.	36275	Seq. ID	OJ990428_09.9B05.C13
Gene No.	74686	Strand	+
Start	5914	End	8452
Name	OJ990428_09.9B05.C13.o4.tc	Method	TBLASTX:Cress
Start	4353	End	4571
GI	none	Score	105
Exons	4353..4418, 4362..4409, 4419..4535, 4422..4535, 4533..4571		

Seq. No.	36275	Seq. ID	OJ990428_09.9B05.C13
Gene No.	74686	Strand	+
Start	5914	End	8452
Name	OJ990428_09.9B05.C13.o2.np	Method	AAT/NAP
Start	5911	End	7644

GI	6437556	Score	706
Exons	5911..6047, 6161..6218, 6326..6431, 6764..6821, 6906..7088, 7346..7644		
GI Descrip.	(AC011623) unknown protein [Arabidopsis thaliana]		

Seq. No.	36275	Seq. ID	OJ990428_09.9B05.C13
Gene No.	74686	Strand	+
Start	5914	End	8452
Name	OJ990428_09.9B05.C13.o2.gs	Method	GENSCAN
Start	5914	End	8452
GI	none	Score	.67
Exons	5914..6047, 6161..6218, 6326..6431, 6906..7081, 7161..7221, 7346..7638, 8127..8326, 8343..8452		

Seq. No.	36275	Seq. ID	OJ990428_09.9B05.C13
Gene No.	74686	Strand	+
Start	5914	End	8452
Name	OJ990428_09.9B05.C13.o4.ts	Method	TBLASTX:Soybean
Start	5989	End	7082
GI	none	Score	72
Exons	5989..6051, 6147..6206, 6158..6223, 6325..6426, 6326..6418, 6761..6826, 6761..6826, 6863..7078, 6887..7075, 6904..7077, 6915..7082		

Seq. No.	36275	Seq. ID	OJ990428_09.9B05.C13
Gene No.	74686	Strand	+
Start	5914	End	8452
Name	OJ990428_09.9B05.C13.o2.tc	Method	TBLASTX:Cress
Start	6146	End	7644
GI	none	Score	69
Exons	6146..6202, 6147..6206, 6325..6414, 6326..6430, 6755..6826, 6760..6780, 6761..6826, 6881..7078, 6904..7080, 7344..7493, 7360..7491, 7522..7644, 7527..7643		

Seq. No.	36275	Seq. ID	OJ990428_09.9B05.C13
Gene No.	74686	Strand	+
Start	5914	End	8452
Name	OJ990428_09.9B05.C13.o1.tm	Method	TBLASTX:Maize
Start	6772	End	7656
GI	none	Score	82
Exons	6772..6837, 6773..6847, 6881..7078, 6904..7080, 7158..7220, 7159..7221, 7160..7219, 7332..7649, 7343..7654, 7343..7654, 7344..7655, 7360..7656		

Seq. No.	36275	Seq. ID	OJ990428_09.9B05.C13
Gene No.	74686	Strand	+
Start	5914	End	8452
Name	OJ990428_09.9B05.C13.o3.ts	Method	TBLASTX:Soybean
Start	7158	End	7668
GI	none	Score	63
Exons	7158..7220, 7343..7471, 7344..7643, 7360..7497, 7522..7668		

Seq. No.	36276	Seq. ID	OJ990428_09.9B05.C14
Gene No.	74687	Strand	+
Start	1	End	723
Name	OJ990428_09.9B05.C14.o1.np	Method	AAT/NAP
Start	1	End	723

GI	6437556	Score	243
Exons	1..177, 262..443, 652..723		
GI Descrip.	(AC011623) unknown protein [Arabidopsis thaliana]		
Seq. No.	36276	Seq. ID	OJ990428_09.9B05.C14
Gene No.	74687	Strand	+
Start	1	End	723
Name	OJ990428_09.9B05.C14.o1.tc	Method	TBLASTX:Cress
Start	111	End	436
GI	none	Score	40
Exons	111..182, 116..136, 117..182, 237..434, 260..436		
Seq. No.	36276	Seq. ID	OJ990428_09.9B05.C14
Gene No.	74687	Strand	+
Start	1	End	723
Name	OJ990428_09.9B05.C14.o1.ts	Method	TBLASTX:Soybean
Start	117	End	561
GI	none	Score	82
Exons	117..182, 117..182, 219..434, 243..431, 260..433, 271..438, 526..561		
Seq. No.	36276	Seq. ID	OJ990428_09.9B05.C14
Gene No.	74687	Strand	+
Start	1	End	723
Name	OJ990428_09.9B05.C14.o1.gs	Method	GENSCAN
Start	120	End	577
GI	none	Score	.79
Exons	120..177, 262..437, 481..577		
Seq. No.	36276	Seq. ID	OJ990428_09.9B05.C14
Gene No.	74687	Strand	+
Start	1	End	723
Name	OJ990428_09.9B05.C14.o1.tm	Method	TBLASTX:Maize
Start	128	End	576
GI	none	Score	82
Exons	128..193, 129..203, 237..434, 238..447, 260..436, 514..576, 516..575		
Seq. No.	36277	Seq. ID	OJ990428_09.9B05.C15
Gene No.	74688	Strand	+
Start	57	End	684
Name	OJ990428_09.9B05.C15.o1.gs	Method	GENSCAN
Start	57	End	617
GI	none	Score	.51
Exons	57..617		
Seq. No.	36277	Seq. ID	OJ990428_09.9B05.C15
Gene No.	74688	Strand	+
Start	57	End	684
Name	OJ990428_09.9B05.C15.o1.np	Method	AAT/NAP
Start	139	End	684
GI	5882743	Score	336
Exons	139..392, 420..684		
GI Descrip.	(AC008263) ESTs gb\|H36134 and gb\|H36132 come from this gene. [Arabidopsis thaliana]		
Seq. No.	36277	Seq. ID	OJ990428_09.9B05.C15

Gene No.	74688	Strand	+
Start	57	End	684
Name	OJ990428_09.9B05.C15.o1.ts	Method	TBLASTX:Soybean
Start	249	End	640
GI	none	Score	54
Exons	249..314, 266..325, 315..587, 493..597, 493..621, 589..639,	316..417, 590..640	323..592, 327..596,

Seq. No.	36277	Seq. ID	OJ990428_09.9B05.C15
Gene No.	74688	Strand	+
Start	57	End	684
Name	OJ990428_09.9B05.C15.o1.tm	Method	TBLASTX:Maize
Start	429	End	640
GI	none	Score	301
Exons	429..596, 431..622, 493..597,	590..640	

Seq. No.	36278	Seq. ID	OJ990428_09.9B05.C16
Gene No.	74689	Strand	+
Start	1	End	363
Name	OJ990428_09.9B05.C16.o1.np	Method	AAT/NAP
Start	1	End	363
GI	418604	Score	619
Exons	1..363		
GI Descrip.	HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION (ORFP)		

Seq. No.	36279	Seq. ID	OJ990428_09.9B05.C17
Gene No.	74690	Strand	-
Start	50	End	309
Name	OJ990428_09.9B05.C17.o1.gs	Method	GENSCAN
Start	50	End	309
GI	none	Score	.87
Exons	50..309		

Seq. No.	36280	Seq. ID	OJ990428_09.9B05.C19
Gene No.	74691	Strand	-
Start	1	End	797
Name	OJ990428_09.9B05.C19.o1.np	Method	AAT/NAP
Start	1	End	797
GI	4455304	Score	116
Exons	1..53, 180..585, 773..797		
GI Descrip.	(AL035528) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36280	Seq. ID	OJ990428_09.9B05.C19
Gene No.	74691	Strand	-
Start	1	End	797
Name	OJ990428_09.9B05.C19.o1.gs	Method	GENSCAN
Start	193	End	333
GI	none	Score	.68
Exons	193..333		

Seq. No.	36281	Seq. ID	OJ990428_09.9B05.C22
Gene No.	74692	Strand	+
Start	131	End	309
Name	OJ990428_09.9B05.C22.o1.gs	Method	GENSCAN
Start	131	End	309
GI	none	Score	.65

Exons	131..309		
Seq. No.	36282	Seq. ID	OJ990428_09.9B05.C23
Gene No.	74693	Strand	+
Start	730	End	4299
Name	OJ990428_09.9B05.C23.o1.gp	Method	AAT/GAP
Start	730	End	1489
GI	93991_1.R1084	Score	828
Exons	730..967, 1058..1115, 1205..1309, 1431..1489		
GI Descrip.	'2435511 2.0e-11 (AF024504) contains similarity to prolyl 4-hydroxylase alpha subunit [Arabidopsis thaliana]'		
Seq. No.	36282	Seq. ID	OJ990428_09.9B05.C23
Gene No.	74693	Strand	+
Start	730	End	4299
Name	OJ990428_09.9B05.C23.o1.gs	Method	GENSCAN
Start	801	End	4299
GI	none	Score	.61
Exons	801..967, 1058..1115, 1205..1309, 1431..1488, 1581..1756, 2023..2248, 3592..3638, 3649..3977, 4278..4299		
Seq. No.	36282	Seq. ID	OJ990428_09.9B05.C23
Gene No.	74693	Strand	+
Start	730	End	4299
Name	OJ990428_09.9B05.C23.o1.np	Method	AAT/NAP
Start	813	End	2277
GI	6437556	Score	678
Exons	813..967, 1058..1115, 1205..1309, 1431..1488, 1581..1763, 1979..2277		
GI Descrip.	(AC011623) unknown protein [Arabidopsis thaliana]		
Seq. No.	36282	Seq. ID	OJ990428_09.9B05.C23
Gene No.	74693	Strand	+
Start	730	End	4299
Name	OJ990428_09.9B05.C23.o2.np	Method	AAT/NAP
Start	832	End	2277
GI	2980790	Score	324
Exons	832..1173, 1431..1796, 1979..2277		
GI Descrip.	(AL022197) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	36282	Seq. ID	OJ990428_09.9B05.C23
Gene No.	74693	Strand	+
Start	730	End	4299
Name	OJ990428_09.9B05.C23.o2.gp	Method	AAT/GAP
Start	1953	End	2674
GI	97943_1.R1084	Score	1310
Exons	1953..2674		
GI Descrip.	'2980790/emb\|CAA18166.1\| 9.0e-16 (AL022197) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	36282	Seq. ID	OJ990428_09.9B05.C23
Gene No.	74694	Strand	+
Start	8858	End	9108
Name	OJ990428_09.9B05.C23.o1.ts	Method	TBLASTX:Soybean
Start	951	End	2277
GI	none	Score	36
Exons	951..968, 1055..1105, 1056..1121, 1186..1302, 1199..1309,		

1428..1487, 1428..1481, 1579..1758, 1580..1756, 1879..1905,
1953..2126, 1975..2124, 2151..2270, 2152..2277

Seq. No.	36282	Seq. ID	OJ990428_09.9B05.C23
Gene No.	74694	Strand	+
Start	8858	End	9108
Name	OJ990428_09.9B05.C23.o1.tc	Method	TBLASTX:Cress
Start	1056	End	2277
GI	none	Score	72
Exons	1056..1121, 1199..1303, 1207..1302, 1427..1483, 1428..1487, 1552..1755, 1580..1756, 1583..1762, 1963..2112, 1974..2126, 1975..2124, 2146..2277, 2160..2276		

Seq. No.	36282	Seq. ID	OJ990428_09.9B05.C23
Gene No.	74694	Strand	+
Start	8858	End	9108
Name	OJ990428_09.9B05.C23.o1.tm	Method	TBLASTX:Maize
Start	1056	End	2277
GI	none	Score	76
Exons	1056..1121, 1199..1309, 1216..1296, 1427..1483, 1428..1487, 1579..1758, 1580..1756, 1864..1905, 1974..2126, 1975..2124, 1975..2127, 2155..2277, 2160..2270		

Seq. No.	36282	Seq. ID	OJ990428_09.9B05.C23
Gene No.	74694	Strand	+
Start	8858	End	9108
Name	OJ990428_09.9B05.C23.o3.gp	Method	AAT/GAP
Start	8729	End	9108
GI	none	Score	664
Exons	8729..9108		

Seq. No.	36282	Seq. ID	OJ990428_09.9B05.C23
Gene No.	74694	Strand	+
Start	8858	End	9108
Name	OJ990428_09.9B05.C23.o3.gs	Method	GENSCAN
Start	8858	End	9104
GI	none	Score	.54
Exons	8858..9104		

Seq. No.	36283	Seq. ID	OJ990428_09.9B05.C24
Gene No.	74695	Strand	+
Start	89	End	738
Name	OJ990428_09.9B05.C24.o1.gp	Method	AAT/GAP
Start	89	End	738
GI	none	Score	1194
Exons	89..738		

Seq. No.	36283	Seq. ID	OJ990428_09.9B05.C24
Gene No.	74695	Strand	+
Start	89	End	738
Name	OJ990428_09.9B05.C24.o1.gs	Method	GENSCAN
Start	165	End	575
GI	none	Score	1
Exons	165..575		

Seq. No.	36283	Seq. ID	OJ990428_09.9B05.C24
Gene No.	74696	Strand	+

Start	11150	End	13550
Name	OJ990428_09.9B05.C24.o4.gs	Method	GENSCAN
Start	11150	End	12638
GI	none	Score	.86
Exons	11150..11323, 11754..11822, 11910..11981, 12504..12638		

Seq. No.	36283	Seq. ID	OJ990428_09.9B05.C24
Gene No.	74696	Strand	+
Start	11150	End	13550
Name	OJ990428_09.9B05.C24.o2.np	Method	AAT/NAP
Start	11207	End	13550
GI	6520231	Score	280
Exons	11207..11374, 11552..11617, 11754..11822, 11910..12026, 13505..13550		
GI Descrip.	(AB028232) helix-loop-helix protein homolog [Arabidopsis thaliana]		

Seq. No.	36283	Seq. ID	OJ990428_09.9B05.C24
Gene No.	74697	Strand	-
Start	2494	End	6637
Name	OJ990428_09.9B05.C24.o2.gs	Method	GENSCAN
Start	2494	End	6484
GI	none	Score	.71
Exons	2494..3008, 3154..3205, 3846..3875, 4747..4809, 4914..5034, 5115..5256, 6295..6484		

Seq. No.	36283	Seq. ID	OJ990428_09.9B05.C24
Gene No.	74697	Strand	-
Start	2494	End	6637
Name	OJ990428_09.9B05.C24.o2.gp	Method	AAT/GAP
Start	3453	End	6637
GI	16497_1.R1084	Score	2033
Exons	3453..3875, 4747..4809, 4914..5034, 5115..5256, 6295..6637		
GI Descrip.	'4090884 3.0e-95 (AF025333) vesicle-associated membrane protein 7B; synaptobrevin 7B [Arabidopsis thaliana]'		

Seq. No.	36283	Seq. ID	OJ990428_09.9B05.C24
Gene No.	74697	Strand	-
Start	2494	End	6637
Name	OJ990428_09.9B05.C24.o1.np	Method	AAT/NAP
Start	3735	End	6484
GI	4090884	Score	891
Exons	3735..3875, 4747..4809, 4914..5034, 5115..5256, 6295..6484		
GI Descrip.	(AF025333) vesicle-associated membrane protein 7B; synaptobrevin 7B [Arabidopsis thaliana]		

Seq. No.	36283	Seq. ID	OJ990428_09.9B05.C24
Gene No.	74698	Strand	-
Start	8891	End	9878
Name	OJ990428_09.9B05.C24.o3.gs	Method	GENSCAN
Start	8891	End	9878
GI	none	Score	.91
Exons	8891..9299, 9733..9878		

Seq. No.	36283	Seq. ID	OJ990428_09.9B05.C24
Gene No.	74699	Strand	-
Start	12993	End	13113

Name	OJ990428_09.9B05.C24.o2.tm	Method	TBLASTX:Maize
Start	3516	End	3879
GI	none	Score	37
Exons	3516..3542, 3516..3539, 3565..3594, 3566..3595, 3675..3719, 3677..3760, 3723..3878, 3726..3758, 3736..3879, 3813..3878		

Seq. No.	36283	Seq. ID	OJ990428_09.9B05.C24
Gene No.	74699	Strand	-
Start	12993	End	13113
Name	OJ990428_09.9B05.C24.o1.tc	Method	TBLASTX:Cress
Start	3733	End	6484
GI	none	Score	96
Exons	3733..3876, 3735..3878, 3739..3879, 3813..3878, 4747..4812, 4908..5033, 4914..5033, 4915..5034, 5114..5254, 5181..5252, 6293..6484, 6294..6479		

Seq. No.	36283	Seq. ID	OJ990428_09.9B05.C24
Gene No.	74699	Strand	-
Start	12993	End	13113
Name	OJ990428_09.9B05.C24.o1.ts	Method	TBLASTX:Soybean
Start	3736	End	6484
GI	none	Score	138
Exons	3736..3879, 3739..3870, 4747..4812, 4756..4812, 4914..5030, 4915..5028, 5114..5254, 5181..5252, 6293..6484, 6294..6479		

Seq. No.	36283	Seq. ID	OJ990428_09.9B05.C24
Gene No.	74699	Strand	-
Start	12993	End	13113
Name	OJ990428_09.9B05.C24.o1.tm	Method	TBLASTX:Maize
Start	4744	End	6484
GI	none	Score	64
Exons	4744..4812, 4746..4817, 4914..5030, 4915..5031, 5114..5254, 5181..5255, 6293..6484, 6294..6479		

Seq. No.	36283	Seq. ID	OJ990428_09.9B05.C24
Gene No.	74699	Strand	-
Start	12993	End	13113
Name	OJ990428_09.9B05.C24.o3.tm	Method	TBLASTX:Maize
Start	11306	End	12655
GI	none	Score	118
Exons	11306..11374, 11308..11373, 11312..11374, 11314..11376, 11526..11618, 11549..11620, 11552..11620, 11751..11849, 11751..11822, 11898..11981, 11898..11987, 11915..11992, 12504..12641, 12506..12640, 12512..12655		

Seq. No.	36283	Seq. ID	OJ990428_09.9B05.C24
Gene No.	74699	Strand	-
Start	12993	End	13113
Name	OJ990428_09.9B05.C24.o1.tw	Method	TBLASTX:Wheat
Start	11337	End	12640
GI	none	Score	60
Exons	11337..11375, 11339..11374, 11549..11620, 11550..11618, 11552..11620, 11751..11849, 11751..11822, 11904..11951, 11922..11981, 11937..11981, 12502..12633, 12504..12638, 12509..12640, 12518..12637, 12543..12638		

Seq. No.	36283	Seq. ID	OJ990428_09.9B05.C24

Gene No.	74699	Strand	-
Start	12993	End	13113
Name	OJ990428_09.9B05.C24.o5.gs	Method	GENSCAN
Start	12993	End	13113
GI	none	Score	.88
Exons	12993..13113		

Seq. No.	36284	Seq. ID	OJ990428_09.9B05.C25
Gene No.	74700	Strand	+
Start	151	End	3619
Name	OJ990428_09.9B05.C25.o1.gs	Method	GENSCAN
Start	151	End	3619
GI	none	Score	.65
Exons	151..261, 748..834, 1001..1123, 1728..1834, 1930..2101, 3527..3619		

Seq. No.	36285	Seq. ID	OJ990428_09.9B05.C26
Gene No.	74701	Strand	+
Start	230	End	1701
Name	OJ990428_09.9B05.C26.o1.tm	Method	TBLASTX:Maize
Start	189	End	1141
GI	none	Score	131
Exons	189..320, 202..321, 203..322, 203..322, 412..540, 413..535, 444..542, 450..548, 1058..1141, 1058..1141		

Seq. No.	36285	Seq. ID	OJ990428_09.9B05.C26
Gene No.	74701	Strand	+
Start	230	End	1701
Name	OJ990428_09.9B05.C26.o1.gs	Method	GENSCAN
Start	230	End	1701
GI	none	Score	.76
Exons	230..322, 414..537, 1071..1113, 1225..1416, 1505..1701		

Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74702	Strand	+
Start	1	End	4968
Name	OJ990428_09.9B05.C27.o1.np	Method	AAT/NAP
Start	1	End	4968
GI	2827700	Score	1117
Exons	1..106, 366..551, 822..1007, 1253..1336, 1457..1509, 1619..1676, 1753..2052, 2136..2174, 2264..2368, 2447..2515, 2600..2725, 3221..3312, 4908..4968		
GI Descrip.	(AL021684) DEAD box ATP dependent helicase protein [Arabidopsis thaliana]		

Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74702	Strand	+
Start	1	End	4968
Name	OJ990428_09.9B05.C27.o1.gs	Method	GENSCAN
Start	29	End	3403
GI	none	Score	.83
Exons	29..106, 366..551, 822..1007, 1253..1336, 1587..1676, 1753..2052, 2136..2174, 2264..2368, 2447..2515, 2534..2725, 3221..3403		

Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74702	Strand	+

Start	1	End	4968
Name	OJ990428_09.9B05.C27.o1.gp	Method	AAT/GAP
Start	2464	End	3078
GI	uC-osflcyp157c03b1	Score	1004
Exons	2464..2515, 2600..3078		
GI Descrip.	'5803100/ref\|NP_006764.1\|pDDX18\| 9.0e-13 DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 18 (Myc-regulated) >gi_1498229_emb_CAA67295_ (X98743) RNA helicase [Homo sapiens]'		

Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74703	Strand	+
Start	6964	End	7323
Name	OJ990428_09.9B05.C27.o3.gs	Method	GENSCAN
Start	6964	End	7323
GI	none	Score	.67
Exons	6964..7323		

Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74704	Strand	+
Start	12112	End	13470
Name	OJ990428_09.9B05.C27.o5.gs	Method	GENSCAN
Start	12112	End	13470
GI	none	Score	.43
Exons	12112..12199, 13012..13202, 13354..13470		

Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74705	Strand	-
Start	3140	End	3578
Name	OJ990428_09.9B05.C27.o2.gp	Method	AAT/GAP
Start	3140	End	3578
GI	none	Score	838
Exons	3140..3578		

Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74706	Strand	-
Start	3648	End	5529
Name	OJ990428_09.9B05.C27.o2.gs	Method	GENSCAN
Start	3648	End	5440
GI	none	Score	.97
Exons	3648..4530, 4788..5440		

Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74706	Strand	-
Start	3648	End	5529
Name	OJ990428_09.9B05.C27.o3.gp	Method	AAT/GAP
Start	5030	End	5529
GI	none	Score	978
Exons	5030..5529		

Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74707	Strand	-
Start	8742	End	10804
Name	OJ990428_09.9B05.C27.o3.tc	Method	TBLASTX:Cress
Start	11	End	911
GI	none	Score	73
Exons	11..124, 358..543, 363..551, 371..547, 819..911		

Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74707	Strand	-
Start	8742	End	10804
Name	OJ990428_09.9B05.C27.o3.ts	Method	TBLASTX:Soybean
Start	465	End	1679
GI	none	Score	112
Exons	465..551, 819..1007, 821..865, 831..995, 932..1006, 1249..1332, 1253..1333, 1454..1507, 1456..1506, 1585..1620, 1641..1679		

Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74707	Strand	-
Start	8742	End	10804
Name	OJ990428_09.9B05.C27.o1.tm	Method	TBLASTX:Maize
Start	1759	End	3406
GI	none	Score	470
Exons	1759..2052, 1761..2054, 1773..2069, 2131..2175, 2136..2174, 2146..2175, 2262..2369, 2263..2370, 2263..2367, 2437..2511, 2440..2511, 2441..2533, 2600..2725, 2600..2728, 3214..3366, 3218..3367, 3367..3402, 3368..3406		

Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74707	Strand	-
Start	8742	End	10804
Name	OJ990428_09.9B05.C27.o1.tc	Method	TBLASTX:Cress
Start	1801	End	3313
GI	none	Score	279
Exons	1801..2052, 1803..2054, 2135..2170, 2136..2171, 2264..2320, 2275..2412, 2441..2515, 2599..2709, 2599..2709, 2600..2722, 3224..3313		

Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74707	Strand	-
Start	8742	End	10804
Name	OJ990428_09.9B05.C27.o2.ts	Method	TBLASTX:Soybean
Start	1920	End	2343
GI	none	Score	206
Exons	1920..2054, 1921..2052, 1923..2054, 1925..2068, 2135..2176, 2136..2174, 2143..2175, 2261..2320, 2275..2343		

Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74707	Strand	-
Start	8742	End	10804
Name	OJ990428_09.9B05.C27.o4.ts	Method	TBLASTX:Soybean
Start	2428	End	3410
GI	4298843	Score	69
Exons	2428..2514, 2441..2515, 2600..2725, 2603..2725, 3146..3184, 3214..3261, 3218..3304, 3218..3280, 3263..3328, 3287..3406, 3298..3396, 3318..3410		
GI Descrip.	2827700/emb_CAA16673_ 4.0e-30 (AL021684) DEAD box ATP dependent helicase protein [Arabidopsis thaliana]		

Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74707	Strand	-
Start	8742	End	10804
Name	OJ990428_09.9B05.C27.o1.ts	Method	TBLASTX:Soybean
Start	3666	End	10660
GI	none	Score	48

Exons	3666..4061, 3667..3777, 3853..4035, 4161..4541, 4183..4512, 4799..4936, 5000..5074, 9314..9697, 9360..9698, 9792..9965, 9794..10153, 9996..10142, 10166..10324, 10481..10660		
Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74707	Strand	-
Start	8742	End	10804
Name	OJ990428_09.9B05.C27.o3.tm	Method	TBLASTX:Maize
Start	3702	End	9571
GI	none	Score	109
Exons	3702..3812, 3702..3935, 3703..3939, 9332..9571, 9363..9569, 9368..9571		
Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74707	Strand	-
Start	8742	End	10804
Name	OJ990428_09.9B05.C27.o2.tc	Method	TBLASTX:Cress
Start	3753	End	9695
GI	none	Score	87
Exons	3753..4058, 3850..4035, 9360..9695, 9407..9691		
Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74707	Strand	-
Start	8742	End	10804
Name	OJ990428_09.9B05.C27.o1.tw	Method	TBLASTX:Wheat
Start	3837	End	9692
GI	none	Score	78
Exons	3837..4058, 3868..4026, 9470..9649, 9470..9691, 9507..9692		
Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74707	Strand	-
Start	8742	End	10804
Name	OJ990428_09.9B05.C27.o2.tm	Method	TBLASTX:Maize
Start	3939	End	10139
GI	none	Score	106
Exons	3939..4061, 3943..4032, 3996..4058, 4161..4511, 4183..4509, 4225..4512, 9572..9706, 9573..9704, 9786..10139, 9794..10138		
Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74707	Strand	-
Start	8742	End	10804
Name	OJ990428_09.9B05.C27.o4.tc	Method	TBLASTX:Cress
Start	4293	End	10115
GI	none	Score	74
Exons	4293..4355, 4300..4413, 4356..4490, 9917..9979, 9980..10114, 10005..10115		
Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74707	Strand	-
Start	8742	End	10804
Name	OJ990428_09.9B05.C27.o5.tm	Method	TBLASTX:Maize
Start	4814	End	10324
GI	none	Score	121
Exons	4814..4936, 4815..4925, 10148..10324, 10152..10241		
Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74707	Strand	-

Start	8742	End	10804
Name	OJ990428_09.9B05.C27.o4.tm	Method	TBLASTX:Maize
Start	5192	End	10766
GI	none	Score	78
Exons	5192..5287, 5192..5347, 10508..10732, 10509..10763, 10728..10766		

Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74707	Strand	-
Start	8742	End	10804
Name	OJ990428_09.9B05.C27.o4.gs	Method	GENSCAN
Start	8742	End	10798
GI	none	Score	.95
Exons	8742..8937, 9240..10798		

Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74707	Strand	-
Start	8742	End	10804
Name	OJ990428_09.9B05.C27.o4.gp	Method	AAT/GAP
Start	9068	End	9763
GI	15951_1.R1084	Score	1358
Exons	9068..9763		
GI Descrip.	'4835245/emb\|CAB42923.1\| 5.0e-32 (AL049862) putative mitochondrial protein [Arabidopsis thaliana]'		

Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74707	Strand	-
Start	8742	End	10804
Name	OJ990428_09.9B05.C27.o2.np	Method	AAT/NAP
Start	9263	End	10804
GI	4835244	Score	682
Exons	9263..9711, 9754..10804		
GI Descrip.	(AL049862) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	36286	Seq. ID	OJ990428_09.9B05.C27
Gene No.	74707	Strand	-
Start	8742	End	10804
Name	OJ990428_09.9B05.C27.o5.gp	Method	AAT/GAP
Start	9944	End	10325
GI	3762098	Score	752
Exons	9944..10325		
GI Descrip.	4874284/gb\|AAD31347.1\|AC007212_3 4.0e-25 (AC007212) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	36287	Seq. ID	OJ990428_09.9B05.C30
Gene No.	74708	Strand	-
Start	469	End	667
Name	OJ990428_09.9B05.C30.o1.gs	Method	GENSCAN
Start	469	End	667
GI	none	Score	.86
Exons	469..536, 574..667		

Seq. No.	36288	Seq. ID	OJ990428_09.9B05.C31
Gene No.	74709	Strand	-
Start	92	End	219
Name	OJ990428_09.9B05.C31.o1.gs	Method	GENSCAN
Start	92	End	219
GI	none	Score	.9

Exons	92..219		
Seq. No.	36289	Seq. ID	OJ990428_09.9B05.C33
Gene No.	74710	Strand	+
Start	1	End	599
Name	OJ990428_09.9B05.C33.o1.np	Method	AAT/NAP
Start	1	End	599
GI	4455304	Score	396
Exons	1..599		
GI Descrip.	(AL035528) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	36290	Seq. ID	OJ990428_09.9B05.C35
Gene No.	74711	Strand	-
Start	82	End	187
Name	OJ990428_09.9B05.C35.o1.gs	Method	GENSCAN
Start	82	End	187
GI	none	Score	.7
Exons	82..187		
Seq. No.	36291	Seq. ID	OJ990428_09.9B05.C36
Gene No.	74712	Strand	+
Start	690	End	990
Name	OJ990428_09.9B05.C36.o1.gs	Method	GENSCAN
Start	690	End	990
GI	none	Score	.93
Exons	690..773, 837..990		
Seq. No.	36292	Seq. ID	OJ990428_09.9B05.C37
Gene No.	74713	Strand	+
Start	1	End	330
Name	OJ990428_09.9B05.C37.o1.np	Method	AAT/NAP
Start	1	End	330
GI	2827552	Score	68
Exons	1..67, 160..330		
GI Descrip.	(AL021635) predicted protein [Arabidopsis thaliana]		
Seq. No.	36292	Seq. ID	OJ990428_09.9B05.C37
Gene No.	74713	Strand	+
Start	1	End	330
Name	OJ990428_09.9B05.C37.o1.tm	Method	TBLASTX:Maize
Start	40	End	260
GI	none	Score	56
Exons	40..72, 41..73, 122..247, 147..248, 147..260, 148..258		
Seq. No.	36293	Seq. ID	OJ990428_09.9B05.C40
Gene No.	74714	Strand	+
Start	1	End	539
Name	OJ990428_09.9B05.C40.o1.np	Method	AAT/NAP
Start	1	End	539
GI	4455304	Score	321
Exons	1..539		
GI Descrip.	(AL035528) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	36293	Seq. ID	OJ990428_09.9B05.C40
Gene No.	74714	Strand	+
Start	1	End	539
Name	OJ990428_09.9B05.C40.o1.gs	Method	GENSCAN

Start	159	End	272
GI	none	Score	.86
Exons	159..272		

Seq. No.	36294	Seq. ID	OJ990428_09.9B05.C42
Gene No.	74715	Strand	+
Start	161	End	263
Name	OJ990428_09.9B05.C42.o1.gs	Method	GENSCAN
Start	161	End	263
GI	none	Score	.8
Exons	161..263		

Seq. No.	36295	Seq. ID	OJ990428_09.9B05.C44
Gene No.	74716	Strand	+
Start	56	End	1026
Name	OJ990428_09.9B05.C44.o1.gs	Method	GENSCAN
Start	56	End	1026
GI	none	Score	.98
Exons	56..663, 915..1026		

Seq. No.	36295	Seq. ID	OJ990428_09.9B05.C44
Gene No.	74717	Strand	+
Start	938	End	1322
Name	OJ990428_09.9B05.C44.o1.gp	Method	AAT/GAP
Start	938	End	1322
GI	none	Score	694
Exons	938..1322		

Seq. No.	36296	Seq. ID	OJ990428_09.9B05.C45
Gene No.	74718	Strand	+
Start	643	End	1600
Name	OJ990428_09.9B05.C45.o1.gp	Method	AAT/GAP
Start	643	End	939
GI	2427870	Score	498
Exons	643..939		

Seq. No.	36296	Seq. ID	OJ990428_09.9B05.C45
Gene No.	74718	Strand	+
Start	643	End	1600
Name	OJ990428_09.9B05.C45.o1.gs	Method	GENSCAN
Start	704	End	1464
GI	none	Score	.68
Exons	704..1326, 1410..1464		

Seq. No.	36296	Seq. ID	OJ990428_09.9B05.C45
Gene No.	74718	Strand	+
Start	643	End	1600
Name	OJ990428_09.9B05.C45.o1.tm	Method	TBLASTX:Maize
Start	1168	End	1600
GI	none	Score	58
Exons	1168..1266, 1174..1224, 1207..1266, 1249..1326, 1260..1325, 1404..1526, 1407..1529, 1411..1530, 1411..1539, 1568..1600		

Seq. No.	36296	Seq. ID	OJ990428_09.9B05.C45
Gene No.	74718	Strand	+
Start	643	End	1600
Name	OJ990428_09.9B05.C45.o2.gp	Method	AAT/GAP

Start	1221	End	1525
GI	5039009	Score	424
Exons	1221..1326, 1410..1525		

Seq. No.	36297	Seq. ID	OJ990428_09.9B05.C48
Gene No.	74719	Strand	-
Start	1	End	556
Name	OJ990428_09.9B05.C48.o1.np	Method	AAT/NAP
Start	1	End	556
GI	5882743	Score	277
Exons	1..109, 189..317, 410..556		
GI Descrip.	(AC008263) ESTs gb\|H36134 and gb\|H36132 come from this gene. [Arabidopsis thaliana]		

Seq. No.	36297	Seq. ID	OJ990428_09.9B05.C48
Gene No.	74719	Strand	-
Start	1	End	556
Name	OJ990428_09.9B05.C48.o1.gs	Method	GENSCAN
Start	21	End	484
GI	none	Score	.93
Exons	21..109, 189..317, 410..484		

Seq. No.	36297	Seq. ID	OJ990428_09.9B05.C48
Gene No.	74719	Strand	-
Start	1	End	556
Name	OJ990428_09.9B05.C48.o1.tc	Method	TBLASTX:Cress
Start	23	End	448
GI	none	Score	139
Exons	23..109, 186..317, 187..312, 410..448, 414..446		

Seq. No.	36297	Seq. ID	OJ990428_09.9B05.C48
Gene No.	74719	Strand	-
Start	1	End	556
Name	OJ990428_09.9B05.C48.o1.tm	Method	TBLASTX:Maize
Start	26	End	303
GI	none	Score	43
Exons	26..121, 75..110, 186..302, 186..302, 187..303		

Seq. No.	36297	Seq. ID	OJ990428_09.9B05.C48
Gene No.	74719	Strand	-
Start	1	End	556
Name	OJ990428_09.9B05.C48.o1.ts	Method	TBLASTX:Soybean
Start	41	End	448
GI	none	Score	44
Exons	41..109, 53..109, 182..310, 186..317, 187..312, 410..448, 414..446		

Seq. No.	36298	Seq. ID	OJ990428_09.9B05.C52
Gene No.	74720	Strand	-
Start	1	End	817
Name	OJ990428_09.9B05.C52.o1.np	Method	AAT/NAP
Start	1	End	817
GI	5882743	Score	724
Exons	1..270, 382..614, 732..817		
GI Descrip.	(AC008263) ESTs gb\|H36134 and gb\|H36132 come from this gene. [Arabidopsis thaliana]		

Seq. No.	36298	Seq. ID	OJ990428_09.9B05.C52
Gene No.	74720	Strand	-
Start	1	End	817
Name	OJ990428_09.9B05.C52.o1.tm	Method	TBLASTX:Maize
Start	15	End	556
GI	none	Score	83
Exons	15..179, 34..120, 34..270, 35..271, 385..555, 386..556		

Seq. No.	36298	Seq. ID	OJ990428_09.9B05.C52
Gene No.	74720	Strand	-
Start	1	End	817
Name	OJ990428_09.9B05.C52.o2.ts	Method	TBLASTX:Soybean
Start	34	End	186
GI	none	Score	122
Exons	34..186, 35..184		

Seq. No.	36298	Seq. ID	OJ990428_09.9B05.C52
Gene No.	74720	Strand	-
Start	1	End	817
Name	OJ990428_09.9B05.C52.o1.gs	Method	GENSCAN
Start	52	End	606
GI	none	Score	56
Exons	52..162, 382..606		

Seq. No.	36298	Seq. ID	OJ990428_09.9B05.C52
Gene No.	74720	Strand	-
Start	1	End	817
Name	OJ990428_09.9B05.C52.o1.tw	Method	TBLASTX:Wheat
Start	118	End	561
GI	none	Score	91
Exons	118..261, 118..270, 131..271, 382..510, 383..508, 517..561		

Seq. No.	36298	Seq. ID	OJ990428_09.9B05.C52
Gene No.	74720	Strand	-
Start	1	End	817
Name	OJ990428_09.9B05.C52.o1.ts	Method	TBLASTX:Soybean
Start	187	End	817
GI	none	Score	84
Exons	187..270, 188..271, 382..618, 383..619, 718..816, 734..817		

Seq. No.	36298	Seq. ID	OJ990428_09.9B05.C52
Gene No.	74720	Strand	-
Start	1	End	817
Name	OJ990428_09.9B05.C52.o1.tc	Method	TBLASTX:Cress
Start	308	End	600
GI	none	Score	217
Exons	308..598, 382..600		

Seq. No.	36298	Seq. ID	OJ990428_09.9B05.C52
Gene No.	74720	Strand	-
Start	1	End	817
Name	OJ990428_09.9B05.C52.o2.tm	Method	TBLASTX:Maize
Start	559	End	817
GI	none	Score	60
Exons	559..618, 564..614, 565..615, 581..619, 732..815, 733..816, 734..817, 734..817		

Seq. No.	36299	Seq. ID	OJ990428_09.9B05.C53
Gene No.	74721	Strand	+
Start	1	End	619
Name	OJ990428_09.9B05.C53.o1.np	Method	AAT/NAP
Start	1	End	619
GI	4914342	Score	446
Exons	1..619		
GI Descrip.	(AC005489) F14N23.28 [Arabidopsis thaliana]		

Seq. No.	36299	Seq. ID	OJ990428_09.9B05.C53
Gene No.	74721	Strand	+
Start	1	End	619
Name	OJ990428_09.9B05.C53.o1.gs	Method	GENSCAN
Start	121	End	447
GI	none	Score	.54
Exons	121..447		

Seq. No.	36299	Seq. ID	OJ990428_09.9B05.C53
Gene No.	74721	Strand	+
Start	1	End	619
Name	OJ990428_09.9B05.C53.o1.tc	Method	TBLASTX:Cress
Start	168	End	516
GI	none	Score	291
Exons	168..476, 335..463, 481..516		

Seq. No.	36299	Seq. ID	OJ990428_09.9B05.C53
Gene No.	74721	Strand	+
Start	1	End	619
Name	OJ990428_09.9B05.C53.o1.tm	Method	TBLASTX:Maize
Start	227	End	619
GI	none	Score	362
Exons	227..610, 243..617, 246..608, 274..609, 317..619		

Seq. No.	36300	Seq. ID	OJ990428_09.9B05.C54
Gene No.	74722	Strand	+
Start	1	End	692
Name	OJ990428_09.9B05.C54.o1.gp	Method	AAT/GAP
Start	1	End	83
GI	4878418	Score	158
Exons	1..83		

Seq. No.	36300	Seq. ID	OJ990428_09.9B05.C54
Gene No.	74722	Strand	+
Start	1	End	692
Name	OJ990428_09.9B05.C54.o1.np	Method	AAT/NAP
Start	1	End	474
GI	4455304	Score	254
Exons	1..474		
GI Descrip.	(AL035528) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36300	Seq. ID	OJ990428_09.9B05.C54
Gene No.	74722	Strand	+
Start	1	End	692
Name	OJ990428_09.9B05.C54.o1.ts	Method	TBLASTX:Soybean
Start	34	End	324
GI	none	Score	136
Exons	34..201, 40..108, 74..190, 84..197, 222..305, 223..324, 259..321		

Seq. No.	36300	Seq. ID	OJ990428_09.9B05.C54
Gene No.	74722	Strand	+
Start	1	End	692
Name	OJ990428_09.9B05.C54.o1.tw	Method	TBLASTX:Wheat
Start	59	End	408
GI	none	Score	314
Exons	59..196, 69..362, 70..363, 82..363, 355..408		

Seq. No.	36300	Seq. ID	OJ990428_09.9B05.C54
Gene No.	74722	Strand	+
Start	1	End	692
Name	OJ990428_09.9B05.C54.o1.tm	Method	TBLASTX:Maize
Start	78	End	459
GI	none	Score	306
Exons	78..374, 79..354, 367..459		

Seq. No.	36300	Seq. ID	OJ990428_09.9B05.C54
Gene No.	74722	Strand	+
Start	1	End	692
Name	OJ990428_09.9B05.C54.o2.gp	Method	AAT/GAP
Start	184	End	692
GI	LIB3433-057-P1-K1-E2	Score	941
Exons	184..692		
GI Descrip.	'4455304/emb\|CAB36839.1\| 3.0e-10 (AL035528) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	36301	Seq. ID	OJ990428_09.9B05.C60
Gene No.	74723	Strand	+
Start	30	End	475
Name	OJ990428_09.9B05.C60.o1.gs	Method	GENSCAN
Start	30	End	475
GI	none	Score	.67
Exons	30..39, 251..475		

Seq. No.	36302	Seq. ID	OJ990528_09.9B05.C1
Gene No.	74724	Strand	-
Start	1	End	708
Name	OJ990528_09.9B05.C1.o1.np	Method	AAT/NAP
Start	1	End	708
GI	6815062	Score	307
Exons	1..254, 313..552, 638..708		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	36302	Seq. ID	OJ990528_09.9B05.C1
Gene No.	74724	Strand	-
Start	1	End	708
Name	OJ990528_09.9B05.C1.o1.tm	Method	TBLASTX:Maize
Start	2	End	552
GI	none	Score	71
Exons	2..130, 170..247, 344..406, 397..552, 398..502		

Seq. No.	36302	Seq. ID	OJ990528_09.9B05.C1
Gene No.	74724	Strand	-
Start	1	End	708

Name	OJ990528_09.9B05.C1.o1.gs	Method	GENSCAN
Start	147	End	639
GI	none	Score	.53
Exons	147..239, 638..639		

Seq. No.	36303	Seq. ID	OJ990528_09.9B05.C3
Gene No.	74725	Strand	-
Start	524	End	2301
Name	OJ990528_09.9B05.C3.o1.gs	Method	GENSCAN
Start	524	End	2301
GI	none	Score	.52
Exons	524..573, 629..771, 931..1098, 2099..2301		

Seq. No.	36303	Seq. ID	OJ990528_09.9B05.C3
Gene No.	74725	Strand	-
Start	524	End	2301
Name	OJ990528_09.9B05.C3.o1.gp	Method	AAT/GAP
Start	762	End	1198
GI	2428230	Score	682
Exons	762..961, 991..1198		

Seq. No.	36304	Seq. ID	OJ990528_09.9B05.C4
Gene No.	74726	Strand	+
Start	1	End	659
Name	OJ990528_09.9B05.C4.o1.np	Method	AAT/NAP
Start	1	End	659
GI	6498441	Score	628
Exons	1..430, 614..659		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	36304	Seq. ID	OJ990528_09.9B05.C4
Gene No.	74726	Strand	+
Start	1	End	659
Name	OJ990528_09.9B05.C4.o1.tw	Method	TBLASTX:Wheat
Start	86	End	527
GI	none	Score	551
Exons	86..520, 93..527, 129..521		

Seq. No.	36304	Seq. ID	OJ990528_09.9B05.C4
Gene No.	74726	Strand	+
Start	1	End	659
Name	OJ990528_09.9B05.C4.o1.ts	Method	TBLASTX:Soybean
Start	105	End	470
GI	none	Score	109
Exons	105..329, 336..470		

Seq. No.	36304	Seq. ID	OJ990528_09.9B05.C4
Gene No.	74726	Strand	+
Start	1	End	659
Name	OJ990528_09.9B05.C4.o1.gs	Method	GENSCAN
Start	120	End	430
GI	none	Score	.62
Exons	120..430		

Seq. No.	36304	Seq. ID	OJ990528_09.9B05.C4

Gene No.	74726	Strand	+
Start	1	End	659
Name	OJ990528_09.9B05.C4.o1.tm	Method	TBLASTX:Maize
Start	195	End	551
GI	none	Score	382
Exons	195..551, 230..541, 435..551		

Seq. No.	36305	Seq. ID	OJ990528_09.9B05.C6
Gene No.	74727	Strand	+
Start	1	End	3816
Name	OJ990528_09.9B05.C6.o3.np	Method	AAT/NAP
Start	1	End	3816
GI	4680183	Score	206
Exons	1..20, 3050..3120, 3727..3816		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	36305	Seq. ID	OJ990528_09.9B05.C6
Gene No.	74728	Strand	+
Start	4515	End	4989
Name	OJ990528_09.9B05.C6.o4.np	Method	AAT/NAP
Start	4515	End	4989
GI	6721560	Score	239
Exons	4515..4628, 4682..4989		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815085\|dbj\|BAA90371.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	36305	Seq. ID	OJ990528_09.9B05.C6
Gene No.	74729	Strand	+
Start	5132	End	5760
Name	OJ990528_09.9B05.C6.o5.np	Method	AAT/NAP
Start	5132	End	5760
GI	6721559	Score	659
Exons	5132..5592, 5627..5760		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815084\|dbj\|BAA90370.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	36305	Seq. ID	OJ990528_09.9B05.C6
Gene No.	74730	Strand	-
Start	673	End	5603
Name	OJ990528_09.9B05.C6.o1.gs	Method	GENSCAN
Start	673	End	5603
GI	none	Score	5
Exons	673..758, 764..1013, 1765..2358, 4477..4667, 4928..4993, 5051..5191, 5523..5603		

Seq. No.	36305	Seq. ID	OJ990528_09.9B05.C6
Gene No.	74730	Strand	-
Start	673	End	5603
Name	OJ990528_09.9B05.C6.o1.np	Method	AAT/NAP
Start	701	End	2887
GI	6063554	Score	246
Exons	701..991, 1108..1383, 1723..1827, 2843..2887		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36305	Seq. ID	OJ990528_09.9B05.C6
Gene No.	74730	Strand	-
Start	673	End	5603
Name	OJ990528_09.9B05.C6.o2.np	Method	AAT/NAP
Start	782	End	2292
GI	5042448	Score	905
Exons	782..1053, 1721..2292		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103
Name	OJ990528_09.9B05.C7.o1.gs	Method	GENSCAN
Start	426	End	5910
GI	none	Score	.52
Exons	426..577, 632..697, 790..1031, 1299..1368, 1725..2103, 2119..2498, 2766..3181, 3199..3548, 3626..4833, 5071..5643, 5794..5910		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103
Name	OJ990528_09.9B05.C7.o1.np	Method	AAT/NAP
Start	1711	End	6103
GI	4680179	Score	7057
Exons	1711..6103		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103
Name	OJ990528_09.9B05.C7.o7.tm	Method	TBLASTX:Maize
Start	1735	End	1932
GI	none	Score	187
Exons	1735..1932		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103
Name	OJ990528_09.9B05.C7.o6.tw	Method	TBLASTX:Wheat
Start	1756	End	2089
GI	none	Score	83
Exons	1756..2088, 1874..2089		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103
Name	OJ990528_09.9B05.C7.o1.tm	Method	TBLASTX:Maize
Start	1936	End	2535
GI	none	Score	226
Exons	1936..2376, 1952..2374, 2374..2535, 2381..2527		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103

Name	OJ990528_09.9B05.C7.o1.tw	Method	TBLASTX:Wheat
Start	2089	End	2715
GI	none	Score	361
Exons	2089..2715, 2090..2713		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103
Name	OJ990528_09.9B05.C7.o4.tm	Method	TBLASTX:Maize
Start	2587	End	2875
GI	none	Score	216
Exons	2587..2874, 2588..2875		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103
Name	OJ990528_09.9B05.C7.o2.ts	Method	TBLASTX:Soybean
Start	2674	End	2934
GI	none	Score	149
Exons	2674..2934, 2675..2929, 2773..2931		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103
Name	OJ990528_09.9B05.C7.o1.tc	Method	TBLASTX:Cress
Start	2698	End	3015
GI	none	Score	72
Exons	2698..2841, 2699..2839, 2848..3015		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103
Name	OJ990528_09.9B05.C7.o4.tw	Method	TBLASTX:Wheat
Start	2722	End	3130
GI	none	Score	233
Exons	2722..3129, 2723..2977, 2754..2978, 2755..3111, 3029..3130		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103
Name	OJ990528_09.9B05.C7.o2.tw	Method	TBLASTX:Wheat
Start	3204	End	3709
GI	none	Score	288
Exons	3204..3581, 3295..3582, 3578..3709, 3591..3698		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103
Name	OJ990528_09.9B05.C7.o2.tm	Method	TBLASTX:Maize
Start	3283	End	3637
GI	none	Score	220
Exons	3283..3579, 3288..3581, 3295..3579, 3303..3584, 3422..3601, 3578..3637		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103

Name	OJ990528_09.9B05.C7.o3.tm	Method	TBLASTX:Maize
Start	3674	End	4174
GI	none	Score	63
Exons	3674..4009, 3713..3922, 3995..4174		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103
Name	OJ990528_09.9B05.C7.o5.tw	Method	TBLASTX:Wheat
Start	3710	End	4012
GI	none	Score	209
Exons	3710..4012, 3711..3980, 3931..4011		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103
Name	OJ990528_09.9B05.C7.o1.ts	Method	TBLASTX:Soybean
Start	3725	End	4120
GI	none	Score	98
Exons	3725..4084, 3819..3980, 4088..4120, 4092..4118		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103
Name	OJ990528_09.9B05.C7.o3.tw	Method	TBLASTX:Wheat
Start	4061	End	4543
GI	none	Score	194
Exons	4061..4543, 4106..4432, 4119..4439		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103
Name	OJ990528_09.9B05.C7.o3.ts	Method	TBLASTX:Soybean
Start	4193	End	4507
GI	none	Score	63
Exons	4193..4507, 4194..4391		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103
Name	OJ990528_09.9B05.C7.o5.tm	Method	TBLASTX:Maize
Start	4242	End	4531
GI	none	Score	162
Exons	4242..4433, 4244..4531, 4280..4435		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103
Name	OJ990528_09.9B05.C7.o8.tw	Method	TBLASTX:Wheat
Start	4718	End	5122
GI	none	Score	64
Exons	4718..4867, 4719..4817, 4751..4858, 4928..5122, 5001..5072		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103
Name	OJ990528_09.9B05.C7.o6.tm	Method	TBLASTX:Maize

Start	5465	End	5761
GI	none	Score	84
Exons	5465..5761, 5574..5744		

Seq. No.	36306	Seq. ID	OJ990528_09.9B05.C7
Gene No.	74731	Strand	-
Start	426	End	6103
Name	OJ990528_09.9B05.C7.o7.tw	Method	TBLASTX:Wheat
Start	5642	End	6000
GI	none	Score	92
Exons	5642..5923, 5643..5843, 5923..6000		

Seq. No.	36307	Seq. ID	OJ990528_09.9B05.C8
Gene No.	74732	Strand	+
Start	1	End	2037
Name	OJ990528_09.9B05.C8.o3.np	Method	AAT/NAP
Start	1	End	2037
GI	5852180	Score	56
Exons	1..33, 1843..2037		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	36307	Seq. ID	OJ990528_09.9B05.C8
Gene No.	74732	Strand	+
Start	1	End	2037
Name	OJ990528_09.9B05.C8.o1.gs	Method	GENSCAN
Start	312	End	766
GI	none	Score	.51
Exons	312..380, 503..766		

Seq. No.	36307	Seq. ID	OJ990528_09.9B05.C8
Gene No.	74733	Strand	-
Start	1	End	685
Name	OJ990528_09.9B05.C8.o1.np	Method	AAT/NAP
Start	1	End	685
GI	4680179	Score	1047
Exons	1..685		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36307	Seq. ID	OJ990528_09.9B05.C8
Gene No.	74734	Strand	-
Start	943	End	2037
Name	OJ990528_09.9B05.C8.o1.tw	Method	TBLASTX:Wheat
Start	60	End	418
GI	none	Score	92
Exons	60..341, 61..261, 341..418		

Seq. No.	36307	Seq. ID	OJ990528_09.9B05.C8
Gene No.	74734	Strand	-
Start	943	End	2037
Name	OJ990528_09.9B05.C8.o2.gs	Method	GENSCAN
Start	943	End	1929
GI	none	Score	.9
Exons	943..1157, 1926..1929		

Seq. No.	36307	Seq. ID	OJ990528_09.9B05.C8
Gene No.	74734	Strand	-
Start	943	End	2037

Name	OJ990528_09.9B05.C8.o2.np	Method	AAT/NAP
Start	946	End	2037
GI	5042448	Score	404
Exons	946..1259, 1952..2037		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	36308	Seq. ID	OJ990528_09.9B05.C9
Gene No.	74735	Strand	+
Start	1	End	899
Name	OJ990528_09.9B05.C9.o1.np	Method	AAT/NAP
Start	1	End	899
GI	5852180	Score	69
Exons	1..111, 863..899		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	36308	Seq. ID	OJ990528_09.9B05.C9
Gene No.	74735	Strand	+
Start	1	End	899
Name	OJ990528_09.9B05.C9.o1.gs	Method	GENSCAN
Start	306	End	384
GI	none	Score	.63
Exons	306..384		

Seq. No.	36308	Seq. ID	OJ990528_09.9B05.C9
Gene No.	74736	Strand	-
Start	117	End	899
Name	OJ990528_09.9B05.C9.o2.np	Method	AAT/NAP
Start	117	End	899
GI	6063554	Score	131
Exons	117..290, 856..899		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36309	Seq. ID	OJ990528_09.9B05.C11
Gene No.	74737	Strand	-
Start	3550	End	3990
Name	OJ990528_09.9B05.C11.o1.np	Method	AAT/NAP
Start	700	End	3990
GI	5903050	Score	108
Exons	700..855, 3749..3990		
GI Descrip.	(AC008016) ESTs gb\|T44179, gb\|T20783 and gb\|AA395386 come from this gene. [Arabidopsis thaliana]		

Seq. No.	36309	Seq. ID	OJ990528_09.9B05.C11
Gene No.	74737	Strand	-
Start	3550	End	3990
Name	OJ990528_09.9B05.C11.o1.gs	Method	GENSCAN
Start	3550	End	3903
GI	none	Score	.67
Exons	3550..3572, 3614..3903		

Seq. No.	36310	Seq. ID	OJ990528_09.9B05.C12
Gene No.	74738	Strand	+
Start	303	End	1313
Name	OJ990528_09.9B05.C12.o1.gs	Method	GENSCAN

Start	303	End	1313
GI	none	Score	.95
Exons	303..374, 444..557, 635..791, 847..1313		

Seq. No.	36310	Seq. ID	OJ990528_09.9B05.C12
Gene No.	74739	Strand	+
Start	3842	End	3985
Name	OJ990528_09.9B05.C12.o1.gp	Method	AAT/GAP
Start	3842	End	3985
GI	21474_1.R1084	Score	245
Exons	3842..3985		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	36310	Seq. ID	OJ990528_09.9B05.C12
Gene No.	74740	Strand	-
Start	1614	End	3829
Name	OJ990528_09.9B05.C12.o2.gs	Method	GENSCAN
Start	1614	End	3829
GI	none	Score	.75
Exons	1614..1921, 1967..2106, 2131..2450, 3320..3366, 3778..3829		

Seq. No.	36310	Seq. ID	OJ990528_09.9B05.C12
Gene No.	74741	Strand	-
Start	4376	End	8093
Name	OJ990528_09.9B05.C12.o3.gs	Method	GENSCAN
Start	4376	End	8078
GI	none	Score	.72
Exons	4376..4561, 4834..4906, 4991..5101, 5198..5371, 5481..6580, 6655..6738, 6777..8078		

Seq. No.	36310	Seq. ID	OJ990528_09.9B05.C12
Gene No.	74741	Strand	-
Start	4376	End	8093
Name	OJ990528_09.9B05.C12.o1.np	Method	AAT/NAP
Start	4394	End	8093
GI	4680204	Score	1068
Exons	4394..4531, 4882..5101, 5198..5371, 5481..6580, 6655..8093		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	36310	Seq. ID	OJ990528_09.9B05.C12
Gene No.	74741	Strand	-
Start	4376	End	8093
Name	OJ990528_09.9B05.C12.o2.tw	Method	TBLASTX:Wheat
Start	5032	End	5554
GI	none	Score	68
Exons	5032..5103, 5203..5385, 5210..5335, 5474..5554		

Seq. No.	36310	Seq. ID	OJ990528_09.9B05.C12
Gene No.	74741	Strand	-
Start	4376	End	8093
Name	OJ990528_09.9B05.C12.o1.tw	Method	TBLASTX:Wheat
Start	7047	End	7450
GI	none	Score	84
Exons	7047..7217, 7180..7347, 7212..7448, 7299..7448, 7310..7450, 7340..7450		

Seq. No.	36311	Seq. ID	OJ990528_09.9B05.C13
Gene No.	74742	Strand	-
Start	231	End	1596
Name	OJ990528_09.9B05.C13.o1.gp	Method	AAT/GAP
Start	231	End	1596
GI	342_1.R1084	Score	1948
Exons	231..737, 846..943, 1026..1045, 1081..1596		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	36311	Seq. ID	OJ990528_09.9B05.C13
Gene No.	74742	Strand	-
Start	231	End	1596
Name	OJ990528_09.9B05.C13.o1.np	Method	AAT/NAP
Start	1147	End	1596
GI	4680203	Score	420
Exons	1147..1596		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	36311	Seq. ID	OJ990528_09.9B05.C13
Gene No.	74742	Strand	-
Start	231	End	1596
Name	OJ990528_09.9B05.C13.o1.tw	Method	TBLASTX:Wheat
Start	1201	End	1596
GI	none	Score	52
Exons	1201..1293, 1202..1267, 1282..1362, 1367..1486, 1375..1488, 1376..1489, 1463..1558, 1495..1554, 1559..1591, 1561..1596, 1562..1591		

Seq. No.	36312	Seq. ID	OJ990528_09.9B05.C14
Gene No.	74743	Strand	-
Start	41	End	3074
Name	OJ990528_09.9B05.C14.o1.gp	Method	AAT/GAP
Start	41	End	3022
GI	342_1.R1084	Score	5082
Exons	41..3022		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	36312	Seq. ID	OJ990528_09.9B05.C14
Gene No.	74743	Strand	-
Start	41	End	3074
Name	OJ990528_09.9B05.C14.o1.gs	Method	GENSCAN
Start	87	End	3026
GI	none	Score	84
Exons	87..3026		

Seq. No.	36312	Seq. ID	OJ990528_09.9B05.C14
Gene No.	74743	Strand	-
Start	41	End	3074
Name	OJ990528_09.9B05.C14.o1.np	Method	AAT/NAP
Start	253	End	2213
GI	6742729	Score	3156
Exons	253..2213		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	36312	Seq. ID	OJ990528_09.9B05.C14

Gene No.	74743	Strand	-
Start	41	End	3074
Name	OJ990528_09.9B05.C14.o4.gp	Method	AAT/GAP
Start	2571	End	3074
GI	2310235	Score	241
Exons	2571..2596, 2887..3074		
GI Descrip.	5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	36312	Seq. ID	OJ990528_09.9B05.C14
Gene No.	74743	Strand	-
Start	41	End	3074
Name	OJ990528_09.9B05.C14.o2.np	Method	AAT/NAP
Start	2697	End	3026
GI	5852182	Score	424
Exons	2697..3026		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	36312	Seq. ID	OJ990528_09.9B05.C14
Gene No.	74744	Strand	-
Start	5778	End	5977
Name	OJ990528_09.9B05.C14.o1.tw	Method	TBLASTX:Wheat
Start	41	End	1086
GI	none	Score	46
Exons	41..115, 64..114, 129..173, 134..169, 168..1085, 183..500, 184..1086, 361..1086		

Seq. No.	36312	Seq. ID	OJ990528_09.9B05.C14
Gene No.	74744	Strand	-
Start	5778	End	5977
Name	OJ990528_09.9B05.C14.o1.tc	Method	TBLASTX:Cress
Start	351	End	802
GI	none	Score	84
Exons	351..500, 351..794, 355..798, 361..798, 620..802		

Seq. No.	36312	Seq. ID	OJ990528_09.9B05.C14
Gene No.	74744	Strand	-
Start	5778	End	5977
Name	OJ990528_09.9B05.C14.o2.tm	Method	TBLASTX:Maize
Start	729	End	1043
GI	none	Score	71
Exons	729..959, 729..1043, 757..1032		

Seq. No.	36312	Seq. ID	OJ990528_09.9B05.C14
Gene No.	74744	Strand	-
Start	5778	End	5977
Name	OJ990528_09.9B05.C14.o3.tw	Method	TBLASTX:Wheat
Start	1087	End	1497
GI	none	Score	81
Exons	1087..1173, 1089..1178, 1089..1172, 1206..1424, 1246..1428, 1434..1496, 1447..1497		

Seq. No.	36312	Seq. ID	OJ990528_09.9B05.C14
Gene No.	74744	Strand	-
Start	5778	End	5977
Name	OJ990528_09.9B05.C14.o2.ts	Method	TBLASTX:Soybean
Start	1530	End	1772

GI	none	Score	216
Exons	1530..1772		

Seq. No.	36312	Seq. ID	OJ990528_09.9B05.C14
Gene No.	74744	Strand	-
Start	5778	End	5977
Name	OJ990528_09.9B05.C14.o1.tm	Method	TBLASTX:Maize
Start	1602	End	2060
GI	none	Score	103
Exons	1602..1796, 1806..2060, 1806..2048		

Seq. No.	36312	Seq. ID	OJ990528_09.9B05.C14
Gene No.	74744	Strand	-
Start	5778	End	5977
Name	OJ990528_09.9B05.C14.o2.tw	Method	TBLASTX:Wheat
Start	1636	End	2105
GI	none	Score	172
Exons	1636..1842, 1636..1845, 1641..1865, 1845..1943, 1846..1938, 1947..2051, 1951..2040, 2052..2105, 2053..2097		

Seq. No.	36312	Seq. ID	OJ990528_09.9B05.C14
Gene No.	74744	Strand	-
Start	5778	End	5977
Name	OJ990528_09.9B05.C14.o2.tc	Method	TBLASTX:Cress
Start	1893	End	2241
GI	none	Score	88
Exons	1893..2234, 1912..2049, 2089..2241		

Seq. No.	36312	Seq. ID	OJ990528_09.9B05.C14
Gene No.	74744	Strand	-
Start	5778	End	5977
Name	OJ990528_09.9B05.C14.o1.ts	Method	TBLASTX:Soybean
Start	1974	End	2403
GI	none	Score	121
Exons	1974..2270, 1992..2216, 2265..2327, 2320..2403, 2328..2402		

Seq. No.	36312	Seq. ID	OJ990528_09.9B05.C14
Gene No.	74744	Strand	-
Start	5778	End	5977
Name	OJ990528_09.9B05.C14.o4.tw	Method	TBLASTX:Wheat
Start	2319	End	2675
GI	none	Score	139
Exons	2319..2576, 2332..2574, 2334..2585, 2335..2577, 2544..2675		

Seq. No.	36312	Seq. ID	OJ990528_09.9B05.C14
Gene No.	74744	Strand	-
Start	5778	End	5977
Name	OJ990528_09.9B05.C14.o2.gs	Method	GENSCAN
Start	5778	End	5977
GI	none	Score	.87
Exons	5778..5977		

Seq. No.	36313	Seq. ID	OJ990528_09.9B05.C16
Gene No.	74745	Strand	+
Start	122	End	575
Name	OJ990528_09.9B05.C16.o1.gs	Method	GENSCAN
Start	122	End	575

GI	none	Score	.61
Exons	122..168, 494..575		
Seq. No.	36313	Seq. ID	OJ990528_09.9B05.C16
Gene No.	74746	Strand	+
Start	7027	End	8951
Name	OJ990528_09.9B05.C16.o4.gs	Method	GENSCAN
Start	7027	End	8481
GI	none	Score	.48
Exons	7027..7450, 7630..8223, 8333..8481		
Seq. No.	36313	Seq. ID	OJ990528_09.9B05.C16
Gene No.	74746	Strand	+
Start	7027	End	8951
Name	OJ990528_09.9B05.C16.o1.np	Method	AAT/NAP
Start	7474	End	8951
GI	6630696	Score	2162
Exons	7474..8951		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	36313	Seq. ID	OJ990528_09.9B05.C16
Gene No.	74747	Strand	-
Start	1112	End	2890
Name	OJ990528_09.9B05.C16.o2.gs	Method	GENSCAN
Start	1112	End	2890
GI	none	Score	.75
Exons	1112..1425, 2689..2890		
Seq. No.	36313	Seq. ID	OJ990528_09.9B05.C16
Gene No.	74748	Strand	-
Start	4007	End	4950
Name	OJ990528_09.9B05.C16.o3.gs	Method	GENSCAN
Start	4007	End	4950
GI	none	Score	.55
Exons	4007..4162, 4918..4950		
Seq. No.	36313	Seq. ID	OJ990528_09.9B05.C16
Gene No.	74749	Strand	-
Start	8757	End	8879
Name	OJ990528_09.9B05.C16.o1.tw	Method	TBLASTX:Wheat
Start	7369	End	7764
GI	none	Score	133
Exons	7369..7503, 7386..7466, 7532..7750, 7542..7763, 7554..7763, 7582..7764		
Seq. No.	36313	Seq. ID	OJ990528_09.9B05.C16
Gene No.	74749	Strand	-
Start	8757	End	8879
Name	OJ990528_09.9B05.C16.o2.tm	Method	TBLASTX:Maize
Start	7523	End	7825
GI	none	Score	281
Exons	7523..7825, 7524..7823		
Seq. No.	36313	Seq. ID	OJ990528_09.9B05.C16
Gene No.	74749	Strand	-

Start	8757	End	8879
Name	OJ990528_09.9B05.C16.o1.tm	Method	TBLASTX:Maize
Start	8309	End	8713
GI	none	Score	394
Exons	8309..8653, 8332..8616, 8333..8632, 8651..8713		

Seq. No.	36313	Seq. ID	OJ990528_09.9B05.C16
Gene No.	74749	Strand	-
Start	8757	End	8879
Name	OJ990528_09.9B05.C16.o5.gs	Method	GENSCAN
Start	8757	End	8879
GI	none	Score	.47
Exons	8757..8879		

Seq. No.	36314	Seq. ID	OJ990528_09.9B05.C17
Gene No.	74750	Strand	+
Start	1	End	1029
Name	OJ990528_09.9B05.C17.o1.np	Method	AAT/NAP
Start	1	End	1029
GI	6630696	Score	1547
Exons	1..1029		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	36314	Seq. ID	OJ990528_09.9B05.C17
Gene No.	74750	Strand	+
Start	1	End	1029
Name	OJ990528_09.9B05.C17.o2.tw	Method	TBLASTX:Wheat
Start	1	End	176
GI	none	Score	73
Exons	1..153, 2..175, 3..176		

Seq. No.	36314	Seq. ID	OJ990528_09.9B05.C17
Gene No.	74750	Strand	+
Start	1	End	1029
Name	OJ990528_09.9B05.C17.o1.tm	Method	TBLASTX:Maize
Start	3	End	341
GI	none	Score	243
Exons	3..341, 161..334		

Seq. No.	36314	Seq. ID	OJ990528_09.9B05.C17
Gene No.	74750	Strand	+
Start	1	End	1029
Name	OJ990528_09.9B05.C17.o1.ts	Method	TBLASTX:Soybean
Start	129	End	527
GI	none	Score	190
Exons	129..347, 131..349, 354..527		

Seq. No.	36314	Seq. ID	OJ990528_09.9B05.C17
Gene No.	74750	Strand	+
Start	1	End	1029
Name	OJ990528_09.9B05.C17.o1.tc	Method	TBLASTX:Cress
Start	144	End	620
GI	none	Score	128
Exons	144..347, 363..551, 555..620		

Seq. No.	36314	Seq. ID	OJ990528_09.9B05.C17
Gene No.	74750	Strand	+
Start	1	End	1029
Name	OJ990528_09.9B05.C17.o1.tw	Method	TBLASTX:Wheat
Start	177	End	932
GI	none	Score	892
Exons	177..932, 185..682, 399..923, 418..927		

Seq. No.	36315	Seq. ID	OJ990528_09.9B05.C18
Gene No.	74751	Strand	+
Start	1	End	8775
Name	OJ990528_09.9B05.C18.o2.np	Method	AAT/NAP
Start	1	End	3647
GI	6630696	Score	2059
Exons	1..50, 2325..3647		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	36315	Seq. ID	OJ990528_09.9B05.C18
Gene No.	74751	Strand	+
Start	1	End	8775
Name	OJ990528_09.9B05.C18.o1.gs	Method	GENSCAN
Start	236	End	4114
GI	none	Score	.4
Exons	236..569, 2440..2507, 2730..2839, 3334..3600, 4098..4114		

Seq. No.	36315	Seq. ID	OJ990528_09.9B05.C18
Gene No.	74751	Strand	+
Start	1	End	8775
Name	OJ990528_09.9B05.C18.o4.np	Method	AAT/NAP
Start	3652	End	8775
GI	5852175	Score	162
Exons	3652..3679, 4809..4913, 6230..6369, 7486..7621, 8045..8097, 8635..8775		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	36315	Seq. ID	OJ990528_09.9B05.C18
Gene No.	74752	Strand	-
Start	1	End	2138
Name	OJ990528_09.9B05.C18.o1.np	Method	AAT/NAP
Start	1	End	2138
GI	5295955	Score	480
Exons	1..46, 86..161, 241..537, 581..707, 1388..1502, 2045..2138		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	36315	Seq. ID	OJ990528_09.9B05.C18
Gene No.	74753	Strand	-
Start	4342	End	8775
Name	OJ990528_09.9B05.C18.o1.tm	Method	TBLASTX:Maize
Start	2324	End	2748
GI	none	Score	300
Exons	2324..2362, 2332..2748, 2437..2499, 2535..2645		

Seq. No.	36315	Seq. ID	OJ990528_09.9B05.C18
Gene No.	74753	Strand	-

Start	4342	End	8775
Name	OJ990528_09.9B05.C18.o1.ts	Method	TBLASTX:Soybean
Start	2332	End	2712
GI	none	Score	280
Exons	2332..2667, 2334..2462, 2437..2658, 2677..2712		

Seq. No.	36315	Seq. ID	OJ990528_09.9B05.C18
Gene No.	74753	Strand	-
Start	4342	End	8775
Name	OJ990528_09.9B05.C18.o2.tw	Method	TBLASTX:Wheat
Start	2332	End	2829
GI	none	Score	258
Exons	2332..2628, 2617..2829		

Seq. No.	36315	Seq. ID	OJ990528_09.9B05.C18
Gene No.	74753	Strand	-
Start	4342	End	8775
Name	OJ990528_09.9B05.C18.o3.ts	Method	TBLASTX:Soybean
Start	2713	End	3033
GI	none	Score	96
Exons	2713..2841, 2842..3030, 2844..3029, 2851..3033		

Seq. No.	36315	Seq. ID	OJ990528_09.9B05.C18
Gene No.	74753	Strand	-
Start	4342	End	8775
Name	OJ990528_09.9B05.C18.o2.tm	Method	TBLASTX:Maize
Start	2833	End	3179
GI	none	Score	182
Exons	2833..3033, 2839..3030, 2847..3035, 3035..3178, 3036..3179		

Seq. No.	36315	Seq. ID	OJ990528_09.9B05.C18
Gene No.	74753	Strand	-
Start	4342	End	8775
Name	OJ990528_09.9B05.C18.o1.tw	Method	TBLASTX:Wheat
Start	3023	End	3511
GI	none	Score	113
Exons	3023..3109, 3036..3110, 3036..3116, 3041..3124, 3117..3509, 3125..3511, 3136..3510		

Seq. No.	36315	Seq. ID	OJ990528_09.9B05.C18
Gene No.	74753	Strand	-
Start	4342	End	8775
Name	OJ990528_09.9B05.C18.o2.ts	Method	TBLASTX:Soybean
Start	3042	End	3383
GI	none	Score	92
Exons	3042..3155, 3077..3148, 3174..3383, 3206..3322		

Seq. No.	36315	Seq. ID	OJ990528_09.9B05.C18
Gene No.	74753	Strand	-
Start	4342	End	8775
Name	OJ990528_09.9B05.C18.o3.tm	Method	TBLASTX:Maize
Start	3520	End	3840
GI	none	Score	123
Exons	3520..3603, 3521..3610, 3522..3611, 3523..3612, 3650..3745, 3656..3742, 3660..3776, 3664..3777, 3800..3829, 3802..3840		

Seq. No.	36315	Seq. ID	OJ990528_09.9B05.C18

Gene No.	74753	Strand	-
Start	4342	End	8775
Name	OJ990528_09.9B05.C18.o3.tw	Method	TBLASTX:Wheat
Start	3786	End	4122
GI	none	Score	68
Exons	3786..3857, 3787..3858, 3859..3930, 3861..3941, 3867..3929, 3930..4007, 3932..4000, 3933..4004, 3934..4008, 4045..4122, 4048..4110, 4050..4121		

Seq. No.	36315	Seq. ID	OJ990528_09.9B05.C18
Gene No.	74753	Strand	-
Start	4342	End	8775
Name	OJ990528_09.9B05.C18.o3.np	Method	AAT/NAP
Start	4342	End	8775
GI	5852175	Score	24
Exons	4342..4442, 6127..6251, 6319..6446, 8724..8775		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	36315	Seq. ID	OJ990528_09.9B05.C18
Gene No.	74753	Strand	-
Start	4342	End	8775
Name	OJ990528_09.9B05.C18.o2.gs	Method	GENSCAN
Start	4816	End	6477
GI	none	Score	.52
Exons	4816..4897, 6095..6477		

Seq. No.	36315	Seq. ID	OJ990528_09.9B05.C18
Gene No.	74753	Strand	-
Start	4342	End	8775
Name	OJ990528_09.9B05.C18.o3.gs	Method	GENSCAN
Start	7381	End	8683
GI	none	Score	.95
Exons	7381..7919, 8605..8683		

Seq. No.	36316	Seq. ID	OJ990528_09.9B05.C19
Gene No.	74754	Strand	-
Start	98	End	408
Name	OJ990528_09.9B05.C19.o1.gp	Method	AAT/GAP
Start	98	End	408
GI	61605_3.R1084	Score	428
Exons	98..408		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	36317	Seq. ID	OJ990528_09.9B05.C20
Gene No.	74755	Strand	-
Start	306	End	564
Name	OJ990528_09.9B05.C20.o1.gs	Method	GENSCAN
Start	306	End	564
GI	none	Score	.81
Exons	306..428, 529..564		

Seq. No.	36318	Seq. ID	OJ990528_09.9B05.C21
Gene No.	74756	Strand	+
Start	306	End	1330
Name	OJ990528_09.9B05.C21.o1.gs	Method	GENSCAN
Start	306	End	1330

GI	none	Score	.76
Exons	306..367, 1219..1330		
Seq. No.	36319	Seq. ID	OJ990528_09.9B05.C22
Gene No.	74757	Strand	+
Start	274	End	379
Name	OJ990528_09.9B05.C22.o1.gs	Method	GENSCAN
Start	274	End	379
GI	none	Score	.96
Exons	274..379		
Seq. No.	36320	Seq. ID	OJ990528_09.9B05.C23
Gene No.	74758	Strand	-
Start	142	End	312
Name	OJ990528_09.9B05.C23.o1.gs	Method	GENSCAN
Start	142	End	312
GI	none	Score	.6
Exons	142..312		
Seq. No.	36321	Seq. ID	OJ990528_09.9B05.C24
Gene No.	74759	Strand	+
Start	487	End	556
Name	OJ990528_09.9B05.C24.o1.gs	Method	GENSCAN
Start	487	End	556
GI	none	Score	.46
Exons	487..556		
Seq. No.	36321	Seq. ID	OJ990528_09.9B05.C24
Gene No.	74760	Strand	-
Start	1	End	401
Name	OJ990528_09.9B05.C24.o1.np	Method	AAT/NAP
Start	1	End	332
GI	6539553	Score	450
Exons	1..332		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	36321	Seq. ID	OJ990528_09.9B05.C24
Gene No.	74760	Strand	-
Start	1	End	401
Name	OJ990528_09.9B05.C24.o1.tm	Method	TBLASTX:Maize
Start	63	End	386
GI	none	Score	39
Exons	63..188, 63..197, 177..338, 205..339, 320..385, 348..386		
Seq. No.	36321	Seq. ID	OJ990528_09.9B05.C24
Gene No.	74760	Strand	-
Start	1	End	401
Name	OJ990528_09.9B05.C24.o1.tw	Method	TBLASTX:Wheat
Start	63	End	401
GI	none	Score	129
Exons	63..173, 63..197, 157..342, 159..341, 347..385, 348..401		
Seq. No.	36322	Seq. ID	OJ990528_09.9B05.C25
Gene No.	74761	Strand	+

Start	1	End	679
Name	OJ990528_09.9B05.C25.o1.np	Method	AAT/NAP
Start	1	End	679
GI	6498441	Score	1033
Exons	1..679		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3-type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	36322	Seq. ID	OJ990528_09.9B05.C25
Gene No.	74761	Strand	+
Start	1	End	679
Name	OJ990528_09.9B05.C25.o1.gs	Method	GENSCAN
Start	83	End	616
GI	none	Score	.44
Exons	83..616		

Seq. No.	36322	Seq. ID	OJ990528_09.9B05.C25
Gene No.	74761	Strand	+
Start	1	End	679
Name	OJ990528_09.9B05.C25.o1.tm	Method	TBLASTX:Maize
Start	154	End	516
GI	none	Score	370
Exons	154..477, 183..464, 274..486, 469..516		

Seq. No.	36322	Seq. ID	OJ990528_09.9B05.C25
Gene No.	74761	Strand	+
Start	1	End	679
Name	OJ990528_09.9B05.C25.o1.tw	Method	TBLASTX:Wheat
Start	157	End	548
GI	none	Score	368
Exons	157..546, 180..470, 492..548		

Seq. No.	36323	Seq. ID	OJ990528_09.9B05.C26
Gene No.	74762	Strand	+
Start	1	End	275
Name	OJ990528_09.9B05.C26.o1.np	Method	AAT/NAP
Start	1	End	275
GI	6721559	Score	258
Exons	1..107, 142..275		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815084\|dbj\|BAA90370.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	36324	Seq. ID	OJ990528_09.9B05.C30
Gene No.	74763	Strand	-
Start	1	End	513
Name	OJ990528_09.9B05.C30.o1.np	Method	AAT/NAP
Start	1	End	513
GI	5042454	Score	578
Exons	1..513		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	36324	Seq. ID	OJ990528_09.9B05.C30
Gene No.	74763	Strand	-
Start	1	End	513
Name	OJ990528_09.9B05.C30.o1.tw	Method	TBLASTX:Wheat

Start	61	End	314
GI	none	Score	70
Exons	61..198, 63..182, 165..257, 166..246, 270..314		

Seq. No.	36324	Seq. ID	OJ990528_09.9B05.C30
Gene No.	74763	Strand	-
Start	1	End	513
Name	OJ990528_09.9B05.C30.o1.gs	Method	GENSCAN
Start	128	End	461
GI	none	Score	.71
Exons	128..461		

Seq. No.	36325	Seq. ID	OJ990528_09.9B05.C32
Gene No.	74764	Strand	+
Start	1	End	542
Name	OJ990528_09.9B05.C32.o1.np	Method	AAT/NAP
Start	1	End	542
GI	6705984	Score	546
Exons	1..542		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	36326	Seq. ID	OJ990528_09.9B05.C33
Gene No.	74765	Strand	+
Start	1	End	492
Name	OJ990528_09.9B05.C33.o1.np	Method	AAT/NAP
Start	1	End	492
GI	5902445	Score	524
Exons	1..492		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	36326	Seq. ID	OJ990528_09.9B05.C33
Gene No.	74765	Strand	+
Start	1	End	492
Name	OJ990528_09.9B05.C33.o1.tm	Method	TBLASTX:Maize
Start	12	End	368
GI	none	Score	344
Exons	12..368, 21..254, 95..349		

Seq. No.	36326	Seq. ID	OJ990528_09.9B05.C33
Gene No.	74765	Strand	+
Start	1	End	492
Name	OJ990528_09.9B05.C33.o1.tw	Method	TBLASTX:Wheat
Start	42	End	461
GI	none	Score	499
Exons	42..461, 45..320, 65..436		

Seq. No.	36326	Seq. ID	OJ990528_09.9B05.C33
Gene No.	74765	Strand	+
Start	1	End	492
Name	OJ990528_09.9B05.C33.o1.gs	Method	GENSCAN
Start	69	End	452
GI	none	Score	.69
Exons	69..452		

Seq. No.	36326	Seq. ID	OJ990528_09.9B05.C33
Gene No.	74765	Strand	+
Start	1	End	492

Name	OJ990528_09.9B05.C33.o1.ts	Method	TBLASTX:Soybean
Start	90	End	491
GI	none	Score	292
Exons	90..491, 113..280		

Seq. No.	36327	Seq. ID	OJ990528_09.9B05.C34
Gene No.	74766	Strand	-
Start	519	End	629
Name	OJ990528_09.9B05.C34.o1.gs	Method	GENSCAN
Start	519	End	629
GI	none	Score	.54
Exons	519..629		

Seq. No.	36328	Seq. ID	OJ990528_09.9B05.C38
Gene No.	74767	Strand	+
Start	143	End	282
Name	OJ990528_09.9B05.C38.o1.gs	Method	GENSCAN
Start	143	End	282
GI	none	Score	.7
Exons	143..282		

Seq. No.	36328	Seq. ID	OJ990528_09.9B05.C38
Gene No.	74768	Strand	-
Start	1	End	497
Name	OJ990528_09.9B05.C38.o1.np	Method	AAT/NAP
Start	1	End	497
GI	4680179	Score	753
Exons	1..497		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36328	Seq. ID	OJ990528_09.9B05.C38
Gene No.	74768	Strand	-
Start	1	End	497
Name	OJ990528_09.9B05.C38.o2.tw	Method	TBLASTX:Wheat
Start	1	End	184
GI	none	Score	145
Exons	1..183, 5..184		

Seq. No.	36328	Seq. ID	OJ990528_09.9B05.C38
Gene No.	74768	Strand	-
Start	1	End	497
Name	OJ990528_09.9B05.C38.o1.ts	Method	TBLASTX:Soybean
Start	31	End	410
GI	none	Score	58
Exons	31..201, 198..410, 223..402		

Seq. No.	36328	Seq. ID	OJ990528_09.9B05.C38
Gene No.	74768	Strand	-
Start	1	End	497
Name	OJ990528_09.9B05.C38.o1.tm	Method	TBLASTX:Maize
Start	52	End	342
GI	none	Score	129
Exons	52..213, 56..214, 210..341, 226..342		

Seq. No.	36328	Seq. ID	OJ990528_09.9B05.C38
Gene No.	74768	Strand	-
Start	1	End	497

Name	OJ990528_09.9B05.C38.o1.tw	Method	TBLASTX:Wheat
Start	190	End	458
GI	none	Score	223
Exons	190..216, 209..343, 210..458, 211..444, 221..445, 237..455		

Seq. No.	36329	Seq. ID	OJ990528_09.9B05.C39
Gene No.	74769	Strand	+
Start	212	End	442
Name	OJ990528_09.9B05.C39.o1.gs	Method	GENSCAN
Start	212	End	442
GI	none	Score	.89
Exons	212..442		

Seq. No.	36330	Seq. ID	OJ990528_09.9B05.C40
Gene No.	74770	Strand	-
Start	229	End	522
Name	OJ990528_09.9B05.C40.o1.gs	Method	GENSCAN
Start	229	End	522
GI	none	Score	.65
Exons	229..269, 448..522		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74771	Strand	+
Start	1982	End	8179
Name	OJ990528_09.9B05.C41.o1.np	Method	AAT/NAP
Start	1982	End	5885
GI	6539553	Score	6398
Exons	1982..5885		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74771	Strand	+
Start	1982	End	8179
Name	OJ990528_09.9B05.C41.o2.np	Method	AAT/NAP
Start	3583	End	8179
GI	3023751	Score	32
Exons	3583..3710, 7153..7225, 8097..8179		
GI Descrip.	70 KD PEPTIDYLPROLYL ISOMERASE (PEPTIDYLPROLYL CIS-TRANS ISOMERASE) (CYCLOPHILIN) (PPIASE) gi\|1076772\|pir\|\|S55383 peptidylprolyl isomerase (EC 5.2.1.8) - wheat gi\|854626\|emb\|CAA60505\| (X86903) peptidylprolyl isomerase [Triticum aestivum]		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74772	Strand	-
Start	11265	End	14936
Name	OJ990528_09.9B05.C41.o1.gp	Method	AAT/GAP
Start	10303	End	10852
GI	none	Score	460
Exons	10303..10453, 10735..10852		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74772	Strand	-
Start	11265	End	14936

Name	OJ990528_09.9B05.C41.o2.gp	Method	AAT/GAP
Start	11243	End	11422
GI	none	Score	304
Exons	11243..11422		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74772	Strand	-
Start	11265	End	14936
Name	OJ990528_09.9B05.C41.o3.gs	Method	GENSCAN
Start	11265	End	14936
GI	none	Score	.67
Exons	11265..11306, 12502..12562, 13176..13243, 14871..14936		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74773	Strand	-
Start	16164	End	17311
Name	OJ990528_09.9B05.C41.o4.tw	Method	TBLASTX:Wheat
Start	1976	End	2362
GI	none	Score	356
Exons	1976..2362, 1987..2361		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74773	Strand	-
Start	16164	End	17311
Name	OJ990528_09.9B05.C41.o1.tm	Method	TBLASTX:Maize
Start	2111	End	2422
GI	none	Score	361
Exons	2111..2422, 2117..2419, 2119..2421		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74773	Strand	-
Start	16164	End	17311
Name	OJ990528_09.9B05.C41.o2.tm	Method	TBLASTX:Maize
Start	2966	End	3243
GI	none	Score	360
Exons	2966..3241, 2967..3242, 2968..3243, 2968..3243		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74773	Strand	-
Start	16164	End	17311
Name	OJ990528_09.9B05.C41.o4.ts	Method	TBLASTX:Soybean
Start	3270	End	3656
GI	none	Score	84
Exons	3270..3425, 3408..3656		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74773	Strand	-
Start	16164	End	17311
Name	OJ990528_09.9B05.C41.o5.tw	Method	TBLASTX:Wheat
Start	3375	End	3713
GI	none	Score	256
Exons	3375..3713, 3507..3692		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74773	Strand	-
Start	16164	End	17311
Name	OJ990528_09.9B05.C41.o4.tm	Method	TBLASTX:Maize

Start	3444	End	3878
GI	none	Score	289
Exons	3444..3878, 3698..3853		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74773	Strand	-
Start	16164	End	17311
Name	OJ990528_09.9B05.C41.o3.ts	Method	TBLASTX:Soybean
Start	3666	End	4064
GI	none	Score	180
Exons	3666..3890, 3668..3844, 3891..4064, 3899..3937		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74773	Strand	-
Start	16164	End	17311
Name	OJ990528_09.9B05.C41.o2.tc	Method	TBLASTX:Cress
Start	3681	End	4088
GI	none	Score	119
Exons	3681..3881, 3894..4088		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74773	Strand	-
Start	16164	End	17311
Name	OJ990528_09.9B05.C41.o1.tw	Method	TBLASTX:Wheat
Start	3714	End	4469
GI	none	Score	589
Exons	3714..4163, 3722..4201, 3741..4469, 3742..4164, 4222..4452, 4236..4469		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74773	Strand	-
Start	16164	End	17311
Name	OJ990528_09.9B05.C41.o1.ts	Method	TBLASTX:Soybean
Start	4389	End	4853
GI	5509260	Score	366
Exons	4389..4853		
GI Descrip.	-		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74773	Strand	-
Start	16164	End	17311
Name	OJ990528_09.9B05.C41.o1.tc	Method	TBLASTX:Cress
Start	4482	End	4742
GI	none	Score	265
Exons	4482..4742		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74773	Strand	-
Start	16164	End	17311
Name	OJ990528_09.9B05.C41.o3.tm	Method	TBLASTX:Maize
Start	4524	End	4988
GI	none	Score	317
Exons	4524..4988, 4659..4841		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74773	Strand	-
Start	16164	End	17311

Name	OJ990528_09.9B05.C41.o3.tw	Method	TBLASTX:Wheat
Start	4524	End	5069
GI	none	Score	287
Exons	4524..4868, 4671..4844, 4863..5069		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74773	Strand	-
Start	16164	End	17311
Name	OJ990528_09.9B05.C41.o2.ts	Method	TBLASTX:Soybean
Start	4922	End	5267
GI	none	Score	284
Exons	4922..5122, 4923..5267		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74773	Strand	-
Start	16164	End	17311
Name	OJ990528_09.9B05.C41.o5.tm	Method	TBLASTX:Maize
Start	5078	End	5417
GI	none	Score	277
Exons	5078..5416, 5079..5417		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74773	Strand	-
Start	16164	End	17311
Name	OJ990528_09.9B05.C41.o5.ts	Method	TBLASTX:Soybean
Start	5268	End	5636
GI	none	Score	80
Exons	5268..5393, 5412..5636		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74773	Strand	-
Start	16164	End	17311
Name	OJ990528_09.9B05.C41.o2.tw	Method	TBLASTX:Wheat
Start	5273	End	5749
GI	none	Score	86
Exons	5273..5326, 5274..5348, 5275..5346, 5279..5362, 5355..5711, 5363..5548, 5364..5672, 5621..5749		

Seq. No.	36331	Seq. ID	OJ990528_09.9B05.C41
Gene No.	74773	Strand	-
Start	16164	End	17311
Name	OJ990528_09.9B05.C41.o4.gs	Method	GENSCAN
Start	16164	End	17311
GI	none	Score	.65
Exons	16164..16169, 16721..16826, 17256..17311		

Seq. No.	36332	Seq. ID	OJ990528_09.9B05.C44
Gene No.	74774	Strand	-
Start	87	End	256
Name	OJ990528_09.9B05.C44.o1.np	Method	AAT/NAP
Start	87	End	256
GI	4680183	Score	55
Exons	87..256		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	36333	Seq. ID	OJ990528_09.9B05.C45
Gene No.	74775	Strand	+

Start	1	End	354
Name	OJ990528_09.9B05.C45.o1.np	Method	AAT/NAP
Start	1	End	354
GI	5902444	Score	177
Exons	1..354		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	36333	Seq. ID	OJ990528_09.9B05.C45
Gene No.	74775	Strand	+
Start	1	End	354
Name	OJ990528_09.9B05.C45.o1.tw	Method	TBLASTX:Wheat
Start	52	End	345
GI	none	Score	174
Exons	52..147, 124..345, 138..344		

Seq. No.	36333	Seq. ID	OJ990528_09.9B05.C45
Gene No.	74775	Strand	+
Start	1	End	354
Name	OJ990528_09.9B05.C45.o1.gs	Method	GENSCAN
Start	133	End	233
GI	none	Score	.83
Exons	133..233		

Seq. No.	36334	Seq. ID	OJ990528_09.9B05.C46
Gene No.	74776	Strand	+
Start	243	End	321
Name	OJ990528_09.9B05.C46.o1.gs	Method	GENSCAN
Start	243	End	321
GI	none	Score	.53
Exons	243..321		

Seq. No.	36334	Seq. ID	OJ990528_09.9B05.C46
Gene No.	74777	Strand	-
Start	194	End	739
Name	OJ990528_09.9B05.C46.o1.np	Method	AAT/NAP
Start	194	End	739
GI	5852175	Score	106
Exons	194..290, 675..739		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	36335	Seq. ID	OJ990528_09.9B05.C48
Gene No.	74778	Strand	-
Start	1	End	424
Name	OJ990528_09.9B05.C48.o1.np	Method	AAT/NAP
Start	1	End	424
GI	6630696	Score	661
Exons	1..424		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	36335	Seq. ID	OJ990528_09.9B05.C48
Gene No.	74778	Strand	-
Start	1	End	424
Name	OJ990528_09.9B05.C48.o1.tw	Method	TBLASTX:Wheat
Start	90	End	424
GI	none	Score	385

Exons	90..422, 92..424		
Seq. No.	36335	Seq. ID	OJ990528_09.9B05.C48
Gene No.	74778	Strand	-
Start	1	End	424
Name	OJ990528_09.9B05.C48.o1.gs	Method	GENSCAN
Start	152	End	292
GI	none	Score	.58
Exons	152..292		
Seq. No.	36336	Seq. ID	OJ990528_09.9B05.C49
Gene No.	74779	Strand	-
Start	8	End	385
Name	OJ990528_09.9B05.C49.o1.np	Method	AAT/NAP
Start	8	End	337
GI	5852182	Score	401
Exons	8..337		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	36336	Seq. ID	OJ990528_09.9B05.C49
Gene No.	74779	Strand	-
Start	8	End	385
Name	OJ990528_09.9B05.C49.o1.gs	Method	GENSCAN
Start	54	End	337
GI	none	Score	.69
Exons	54..337		
Seq. No.	36336	Seq. ID	OJ990528_09.9B05.C49
Gene No.	74779	Strand	-
Start	8	End	385
Name	OJ990528_09.9B05.C49.o1.gp	Method	AAT/GAP
Start	198	End	385
GI	2310235	Score	229
Exons	198..385		
GI Descrip.	5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	36337	Seq. ID	OJ990528_09.9B05.C50
Gene No.	74780	Strand	+
Start	1	End	188
Name	OJ990528_09.9B05.C50.o1.np	Method	AAT/NAP
Start	1	End	188
GI	6630696	Score	189
Exons	1..188		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	36338	Seq. ID	OJ990528_09.9B05.C52
Gene No.	74781	Strand	+
Start	150	End	219
Name	OJ990528_09.9B05.C52.o1.gs	Method	GENSCAN
Start	150	End	219
GI	none	Score	.84
Exons	150..219		
Seq. No.	36339	Seq. ID	OJ990528_09.9B05.C53

Gene No.	74782	Strand	+
Start	1	End	827
Name	OJ990528_09.9B05.C53.o1.np	Method	AAT/NAP
Start	1	End	827
GI	5295955	Score	188
Exons	1..195, 738..827		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	36339	Seq. ID	OJ990528_09.9B05.C53
Gene No.	74782	Strand	+
Start	1	End	827
Name	OJ990528_09.9B05.C53.o1.gs	Method	GENSCAN
Start	126	End	263
GI	none	Score	.86
Exons	126..263		

Seq. No.	36340	Seq. ID	OJ990528_09.9B05.C54
Gene No.	74783	Strand	+
Start	32	End	379
Name	OJ990528_09.9B05.C54.o1.gs	Method	GENSCAN
Start	32	End	379
GI	none	Score	.82
Exons	32..379		

Seq. No.	36340	Seq. ID	OJ990528_09.9B05.C54
Gene No.	74784	Strand	-
Start	633	End	1992
Name	OJ990528_09.9B05.C54.o1.np	Method	AAT/NAP
Start	624	End	1992
GI	4680179	Score	2250
Exons	624..1992		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36340	Seq. ID	OJ990528_09.9B05.C54
Gene No.	74784	Strand	-
Start	633	End	1992
Name	OJ990528_09.9B05.C54.o2.gs	Method	GENSCAN
Start	633	End	1823
GI	none	Score	.53
Exons	633..1823		

Seq. No.	36340	Seq. ID	OJ990528_09.9B05.C54
Gene No.	74784	Strand	-
Start	633	End	1992
Name	OJ990528_09.9B05.C54.o3.tm	Method	TBLASTX:Maize
Start	660	End	860
GI	none	Score	191
Exons	660..860		

Seq. No.	36340	Seq. ID	OJ990528_09.9B05.C54
Gene No.	74784	Strand	-
Start	633	End	1992
Name	OJ990528_09.9B05.C54.o3.tw	Method	TBLASTX:Wheat
Start	669	End	1002
GI	none	Score	77
Exons	669..1001, 865..1002		

Seq. No.	36340	Seq. ID	OJ990528_09.9B05.C54
Gene No.	74784	Strand	-
Start	633	End	1992
Name	OJ990528_09.9B05.C54.o1.tm	Method	TBLASTX:Maize
Start	861	End	1448
GI	none	Score	182
Exons	861..1130, 862..1122, 1191..1289, 1192..1287, 1221..1289, 1287..1448, 1294..1440, 1296..1442		

Seq. No.	36340	Seq. ID	OJ990528_09.9B05.C54
Gene No.	74784	Strand	-
Start	633	End	1992
Name	OJ990528_09.9B05.C54.o1.tw	Method	TBLASTX:Wheat
Start	1002	End	1628
GI	none	Score	371
Exons	1002..1628, 1003..1572		

Seq. No.	36340	Seq. ID	OJ990528_09.9B05.C54
Gene No.	74784	Strand	-
Start	633	End	1992
Name	OJ990528_09.9B05.C54.o2.tm	Method	TBLASTX:Maize
Start	1497	End	1788
GI	none	Score	250
Exons	1497..1787, 1501..1788		

Seq. No.	36340	Seq. ID	OJ990528_09.9B05.C54
Gene No.	74784	Strand	-
Start	633	End	1992
Name	OJ990528_09.9B05.C54.o1.ts	Method	TBLASTX:Soybean
Start	1587	End	1847
GI	none	Score	162
Exons	1587..1847, 1588..1842		

Seq. No.	36340	Seq. ID	OJ990528_09.9B05.C54
Gene No.	74784	Strand	-
Start	633	End	1992
Name	OJ990528_09.9B05.C54.o1.tc	Method	TBLASTX:Cress
Start	1611	End	1937
GI	none	Score	86
Exons	1611..1754, 1612..1752, 1755..1937		

Seq. No.	36340	Seq. ID	OJ990528_09.9B05.C54
Gene No.	74784	Strand	-
Start	633	End	1992
Name	OJ990528_09.9B05.C54.o2.tw	Method	TBLASTX:Wheat
Start	1635	End	1989
GI	none	Score	264
Exons	1635..1988, 1636..1989		

Seq. No.	36341	Seq. ID	OJ990528_09.9B05.C55
Gene No.	74785	Strand	-
Start	1	End	3442
Name	OJ990528_09.9B05.C55.o1.np	Method	AAT/NAP
Start	1	End	3442
GI	4680179	Score	4669
Exons	1..3442		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	36341	Seq. ID	OJ990528_09.9B05.C55
Gene No.	74785	Strand	-
Start	1	End	3442
Name	OJ990528_09.9B05.C55.o4.tw	Method	TBLASTX:Wheat
Start	1	End	359
GI	none	Score	55
Exons	1..48, 1..48, 5..64, 48..359,	49..264,	66..341

Seq. No.	36341	Seq. ID	OJ990528_09.9B05.C55
Gene No.	74785	Strand	-
Start	1	End	3442
Name	OJ990528_09.9B05.C55.o1.tw	Method	TBLASTX:Wheat
Start	363	End	872
GI	none	Score	298
Exons	363..872, 454..840		

Seq. No.	36341	Seq. ID	OJ990528_09.9B05.C55
Gene No.	74785	Strand	-
Start	1	End	3442
Name	OJ990528_09.9B05.C55.o1.gs	Method	GENSCAN
Start	441	End	3439
GI	none	Score	.9
Exons	441..1262, 1319..3439		

Seq. No.	36341	Seq. ID	OJ990528_09.9B05.C55
Gene No.	74785	Strand	-
Start	1	End	3442
Name	OJ990528_09.9B05.C55.o1.tm	Method	TBLASTX:Maize
Start	447	End	800
GI	none	Score	150
Exons	447..800, 462..758, 532..798		

Seq. No.	36341	Seq. ID	OJ990528_09.9B05.C55
Gene No.	74785	Strand	-
Start	1	End	3442
Name	OJ990528_09.9B05.C55.o2.ts	Method	TBLASTX:Soybean
Start	621	End	863
GI	none	Score	192
Exons	621..863		

Seq. No.	36341	Seq. ID	OJ990528_09.9B05.C55
Gene No.	74785	Strand	-
Start	1	End	3442
Name	OJ990528_09.9B05.C55.o2.tm	Method	TBLASTX:Maize
Start	837	End	1336
GI	none	Score	65
Exons	837..1172, 1158..1247, 1256..1336		

Seq. No.	36341	Seq. ID	OJ990528_09.9B05.C55
Gene No.	74785	Strand	-
Start	1	End	3442
Name	OJ990528_09.9B05.C55.o3.tw	Method	TBLASTX:Wheat
Start	873	End	1175
GI	none	Score	201
Exons	873..1175, 874..1137		

This Page is inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLORED OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☑ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☑ REPERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.
As rescanning documents *will not* correct images problems checked, please do not report the problems to the IFW Image Problem Mailbox